



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

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

ADVANCE SCIENTIFIC PROGRAM

Changes to this program may still be made

SATURDAY, JULY 30, 2016

09:00 – 10:15

Hall A

OPENING CEREMONY

09:35 – 10:15

Hall A

OPENING LECTURE

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 13:30

Hall A

PL01 Plenary Session

HEART FAILURE: NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT

THE WAR ON HEART FAILURE (Invited Lecture)

E. Braunwald

Brigham and Women's Hospital, Boston, MA, USA

CLINICAL GENETICS OF DILATED CARDIOMYOPATHY- TESTING WISELY (Invited Lecture)

J.D. Marsh

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

THE CANCER ASSOCIATED FIBROBLAST AND THE HEART FAILURE ASSOCIATED FIBROBLAST- SIMILAR PHENOTYPE, SIMILAR PATHWAYS LEADING TO POTENTIALLY SIMILAR TREATMENT (Invited Lecture)

F.G. Spinale

USC School of Medicine and WJB Dorn VA, Columbia, SC, USA

REGENERATIVE MEDICINE 2.0 (Invited Lecture)

L.W. Miller

Morgan Heart Institute, Clearwater, FL, USA

THYROID HORMONE TREATMENT OF HEART FAILURE: IS THERE A THERAPEUTIC WINDOW? (Invited Lecture)

A. Martin Gerdes

New York Institute of Technology-College of Osteopathic Medicine, Old Westbury, NY, USA



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Hall A

PL01 Plenary Session

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

ALCOHOL CONSUMPTION AND INCIDENCE OF HEART FAILURE IN MEN WITH CORONARY ARTERY DISEASE (Invited Lecture)

L. Djousse, J.M. Gaziano

Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA

30-DAY ALL-CAUSE HOSPITAL READMISSION IN HEART FAILURE: FINDINGS FROM PROPENSITY SCORE MATCHED STUDIES (Invited Lecture)

A. Ahmed

The Washington DC VA Medical Center, MD, USA

EFFECTIVENESS OF REMOTE PATIENT MONITORING AFTER DISCHARGE OF HOSPITALIZED PATIENTS WITH HEART FAILURE: THE BETTER EFFECTIVENESS AFTER TRANSITION-HEART FAILURE (BEAT-HF) RANDOMIZED CLINICAL TRIAL (Invited Lecture)

M.K. Ong, P.S. Romano, S. Edgington, A.D. Auerbach, J.T. Black, J.J. Escarce, T.G. Ganiats, S. Greenfield, A. Kimchi, G.C. Fonarow

University of California, Los Angeles, CA, USA

INDUCTION OF ENDOGENOUS T REGULATORY CELLS IS EFFECTIVE IN TREATING HEART FAILURE AND HEART FAILURE-INDUCED LUNG REMODELING (Invited Lecture)

A. Chen, H. Wang, L. Hou, **Y. Chen**

University of Minnesota Medical School, Minneapolis, MN, USA

SIRTUINS AS REGULATORS OF MITOCHONDRIAL FITNESS AND EVOLUTION OF HEART FAILURE (Invited Lecture)

M.P. Gupta

University of Chicago, Chicago, IL, USA

MONTREAL COGNITIVE ASSESSMENT IS SUPERIOR TO STANDARDIZED MINI-MENTAL STATUS EXAM IN DETECTING MILD COGNITIVE IMPAIRMENT IN HEART FAILURE (Invited Lecture)

K. Alagiakrishnan, D. Mah, J. Dyck, A. Senthilselvan, J. Ezekowitz

University of Alberta, Edmonton, Alberta, Canada,



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Hall B

PL02 Plenary Session

ADVANCES IN CARDIOVASCULAR IMAGING THAT WILL IMPACT PATIENT CARE

OPTIMIZING EVALUATION OF PATIENTS WITH LOW TO INTERMEDIATE RISK ACUTE CHEST PAIN: WHAT IS THE RELATIVE VALUES OF STRESS MYOCARDIAL PERFUSION IMAGING WHEN INCORPORATING STRESS-ONLY IMAGING VERSUS CARDIAC COMPUTED TOMOGRAPHY (Invited Lecture)

J.J. Mahmarian

Houston Methodist DeBakey Cardiology Associates, Houston, TX, USA

PET AND CT ASSESSMENT OF CORONARY FLOW PHYSIOLOGY (Invited Lecture)

D.S. Berman, M. Motlagh, D. Dey, J.D. Friedman, S.W. Hayes, L.E.J. Thomson, L. Shaw, B.K. Tamarappoo, G. Germano, P. Slomka
Cedars-Sinai, Los Angeles, California USA

NOVEL METHODS OF ISCHEMIA EVALUATION BY COMPUTED TOMOGRAPHY (Invited Lecture)

J.K. Min

Weill Cornell Medicine, Dalio Institute of Cardiovascular Imaging, New York, NY, USA

ECHOCARDIOGRAPHIC ASSESSMENT OF LEFT VENTRICULAR DIASTOLIC FUNCTION: AN UPDATE (Invited Lecture)

S.F. Nagueh Armanious

Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

SELECTING BETWEEN CORONARY CTA VERSUS FUNCTIONAL TESTING: DOES IT MAKE A DIFFERENCE? (Invited Lecture)

R. Blankstein

Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

LOOKING INTO HIGH-RISK PLAQUE AND DES BIOLOGY: HIGH-SPEED INTEGRATED OCT-NIRF (Invited Lecture)

J.W. Kim

Korea University Guro Hospital, Seoul, South Korea

PET/CT-DETERMINED PERFUSION AND CORONARY FLOW IN CLINICAL ROUTINE (Invited Lecture)

T.H. Schindler

Johns Hopkins University, Baltimore, MD, USA

ROLE OF CAC TESTING IN 2016: SHARED DECISION MAKING FOR INFORMED CHOICES (Invited Lecture)

K. Nasir

Center for Healthcare Advancement & Outcomes, Baptist Health South Florida, Miami, FL, USA

COMPUTED TOMOGRAPHY ANGIOGRAPHY VS. CORONARY ANGIOGRAPHY: A 3D VESSEL FEATURE COMPARISON AND VALIDATION (Invited Lecture)

J.A. Garcia

Orlando Health, Orlando, FL, USA



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Hall C

PL03 Plenary Session

CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASES: FROM BASIC RESEARCH TO TRANSLATIONAL MEDICINE

TRANSLATING VASCULAR BIOLOGY INTO CLINICAL CARE FOR CARDIOLOGY
(Invited Lecture)

K. Maiese

Rutgers University of Medicine & Dentistry of New Jersey, Cellular and Molecular Signaling,
Newark, NJ, USA

GENETIC BASIS OF CARDIAC DYSFUNCTION: PROTECTIVE ROLE OF ALL-TRANS RETINOIC
ACID AND HISTONE DEACETYLASE INHIBITOR (Invited Lecture)

K.N. Pandey, U. Subramanian, P. Kumar, I. Mani, I. Kessler, R. Raghavaraju

Tulane University Health Sciences Center, School of Medicine, New Orleans, LA, USA

FINDING NOVEL ANTI-FIBROTIC THERAPIES USING A DUAL-REPORTER MOUSE THAT
TRACKS FIBROBLAST CELL TRANSITIONS IN VIVO AND IV VITRO (Invited Lecture)

C.S. Long, V. Martinelli, S. Zacchigna

University of Colorado, Denver, CO, USA

INCREASED M2 MACROPHAGES REDUCES PRO-INFLAMMATORY CYTOKINES IN
ATHEROSCLEROSIS (Invited Lecture)

D.K. Singla

University of Central Florida, Orlando, FL, USA

EXTRACELLULAR MATRIX TURNOVER IN VASCULAR CALCIFICATION (Invited Lecture)

W. Kong

Peking University Health Science Center, Beijing, China

PLAQUE LYMPHANGIOGENESIS: TO DRAIN OR NOT TO DRAIN (Invited Lecture)

M. Kietasidorn, T. Rademakers, M. Manca, E. van der Vorst, K. Alitalo, J. Sluimer, A. Noel,

E. Biessen

Maastricht University, Maastricht, Netherlands

GENOME-WIDE IDENTIFICATION AND CHARACTERIZATION OF CARDIAC HYPERTROPHY-
RELATED LONG NONCODING RNAs (CH-LNCRNAs) IN MICE (Invited Lecture)

D-Z. Wang, Z-P. Wang

Boston Children's Hospital, Harvard Medical School, Boston, MA, USA

SHORT AND LONG NON-CODING RNAs AS BIOMARKERS OF ACUTE CARDIAC
CONDITIONS (Invited Lecture)

Y. Devaux

Luxembourg Institute of Health, Luxembourg

TARGETING THE HEART UTILIZING A NOVEL CELL PENETRATING PEPTIDE
(Invited Lecture)

M. Zahid

University of Pittsburgh, Pittsburgh, PA, USA



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PL03 Plenary Session

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

DECIPHERING THE ROLE OF MITOPHAGY IN THE HEART DURING FASTING

(Invited Lecture)

Q. Liang

New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA

DOES CYSTATIN SN INFLUENCE ON CYSTATIN C LEVEL IN ISCHEMIA AND PREVIOUS MYOCARDIAL INFARCTION? (Invited Lecture)

N.V. Goncharova, G.S. Russkikh, M.M. Gevorgyan, N.P. Voronina, Ts.P. Korolenko,

N.A. Kikhtenko, **T.A. Korolenko**

Institute Physiol. Fund. Med., Novosibirsk, Russia

10:45 – 13:45

Hall D

S21 INTERVENTIONAL CARDIOLOGY

CLINICAL DECISION-MAKING USING FRACTIONAL FLOW RESERVE IN ACUTE CORONARY SYNDROMES (Invited Lecture)

B.F. Uretsky

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

EXPEDITIOUS REPERFUSION IN NON-ST SEGMENT ELEVATION MYOCARDIAL INFARCTION: A SINGLE CENTER TEN YEAR EXPERIENCE

K. Shetabi, R. Patel, R. Ullah, T. Siddiqua, T. Wilson, S. Olet, K.A. Ammar,

S. Allaqaband, T. Bajwa, M.F. Jan

Aurora Health Care, Milwaukee, WI, USA

EARLY ANTIPLATELET THERAPY UPGRADE IN STEMI PATIENTS TREATED WITH PRIMARY PCI

A. Lupi, M. Lazzero, A. Rognoni, C. Cavallino, A.S. Bongo

AOU Maggiore della Carita', Novara, Italy

BIODEGRABABLE POLYMER DRUG ELUTING STENT: EFFICACY AND SAFETY WITH SHORT REGIMEN OF ANTIPLATELET THERAPY

L.A. Iñigo-Garcia, F.J. Martinez-Garcia, A. Milan-Pinilla, A. Valle-Alberca, L. Fernandez-Lopez,

V.V. Traverso-Castilla, A. Delgado-Aguilar, R. Bravo-Marques, A. Ramirez-Moreno,

J. R. Siles-Rubio

Hospital Costa del Sol, Marbella, Spain

RADIAL ARTERY SPASM ASSOCIATED WITH TRANSRADIAL CARDIOVASCULAR PROCEDURES: RESULTS FROM THE RAS REGISTRY

A. Goldsmit, F. Kiemeneij, I. Gilchrist, M. Bettinotti, T. Patel, S. Kedev

SanatorioGuemes, Buenos Aires, Argentina



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Hall D

S21 INTERVENTIONAL CARDIOLOGY (cont.)

SYSTEMATIC REVIEW OF THE UTILITY OF THROMBUS ASPIRATION IN PATIENTS WITH STEMI UNDERGOING PRIMARY PCI

A. Ivanov, **B.H. Subedi**, T.R. Patel, S. Khan, J.F. Heitner, S.J. Brener
NY Methodist Hospital, Brooklyn, NY, USA

TAXEL-ELUTING VERSUS LIMUS-ELUTING CORONARY STENTS IN DIABETES: A META-ANALYSIS OF RANDOMIZED CONTROL TRIALS

A.N. Alrifai, F. Abdelmalak, S. Hakimian, J. Choi
University of Miami Miller School of Medicine, Regional Medical Campus, Atlantis, FL, USA

DOES AN UPRIGHT T WAVE IN LEAD V1 PREDICT SIGNIFICANT CORONARY ARTERY DISEASE?

I. Suen, N. Sablani, M. Iskandir, B. Simmons, S. Talebi, R. Chirurgi, G. Fernaine, G.W. Hassen
St. George's University School of Medicine, Grenada, West Indies

LEFT BUNDLE BRANCH BLOCK: IS IT TIME TO RECONSIDER THE CRITERIA FOR PRIMARY PERCUTANEOUS CORONARY INTERVENTION?

J. Basu, M. Mikhail, T. Realey, W. Orr
Royal Berkshire NHS Foundation Trust, Reading, UK

DUAL ANTIPLATELET THERAPY AFTER CORONARY ARTERY BYPASS GRAFTING IN THE SETTING OF ACUTE CORONARY SYNDROME

M. Agarwal, R. Bomb, C.S. Oliphant, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

ST ELEVATED MYOCARDIAL INFARCTION AS AN EPIPHENOMENON OF NON CARDIOVASCULAR DISEASE

J.M. Telayna, J.M. Telayna (h), R.A. Costantini
Hospital Universitario Austral, Buenos Aires, Argentina



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Poster Hall

P101 GENETICS OF CARDIOVASCULAR DISEASES

A NEW VIEWPOINT ON CARDIAC EVENTS RISK ASSESSMENT AMONG THE FIRST DEGREE RELATIVES IN LQTS PATIENTS

K. Banihashemi, F. Davoudi

IIRand ATU, Medical Sciences Dep., Tehran University of Medical Sciences, Iran

BETA3-ADRENOCEPTOR GENE EXPRESSION IN RAT ADIPOSE TISSUE IN RESPONSE TO REPEATED IMMUNE CHALLENGE

A. Csanova, M. Pokusa, D. Jezova

Biomedical Research Center Slovak Academy of Sciences, Bratislava, Slovak Republic

VALIDATED GENETIC BIOMARKERS FOR PREDICTION OF INDIVIDUAL RISK OF MYOCARDIAL INFARCTION IN RUSSIANS

G.Z. Osmak, D. Lvovs, B.V. Titov, N.A. Matveeva, R.M. Shakhnovich, T.R. Nasibullin, O.E. Mustafina, **A.V. Favorov**, M. Ya Ruda, O.O. Favorova

Russian Cardiology Scientific and Production Center, Moscow, Russia

PROVOCATION OF LEFT VENTRICULAR OUTFLOW TRACT OBSTRUCTION USING NITRATE INHALATION IN HYPERTROPHIC CARDIOMYOPATHY: RELATION TO ELECTROMECHANICAL DELAY

W.A. Hamed, H.M. Badran, R.I. Yaseen

Menoufiya University, Faculty of Medicine, Cardiology Department, Egypt

ARRHYTHMIC RISK AND GENETIC VARIATIONS IN DILATED CARDIOMYOPATHY PATIENTS

E. Martins, A.I.C. Sousa, P. Canedo, M.B. Campelo, B. Moura, S.L.M.M. Leite, A. Belo, F.F. Rocha-Goncalves, J.C. Machado, J.C. Silva-Cardoso

Faculty of Medicine, University of Porto, Porto, Portugal

HUMAN HEART FUNCTION AND AGING: WHAT CAN WE LEARN FROM DROSOPHILA?

X. Wu

The Center for Heart Development, Hunan Normal University, Changsha, Hunan, P. R. China

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

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

Menoufiya University, Faculty of Medicine, Cardiology Department, Egypt

ASSOCIATION OF G1359A POLYMORPHISM OF THE ENDOCANNABINOID TYPE 1 RECEPTOR WITH CORONARY ARTERY DISEASE WITH TYPE 2 DIABETES MELLITUS

W.A. Hamed, S.I. Tayel, A.A. Alrefai, H.E. Elbarbary

Menoufiya University, Faculty of Medicine, Cardiology Department, Egypt



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Poster Hall

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

POPULATION: RESULTS FROM THE NHANES I EPIDEMIOLOGIC FOLLOW-UP STUDY

X. Zhang, J. Xia, L.C. Del Gobbo, A. Hruby, K. He, Q. Dai, **Q. Song**

Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, USA

ACUTE EFFECTS OF AIR POLLUTION ON CARDIOVASCULAR DISEASE

S-W Yang, **H-R Guo**

National Cheng Kung University, Tainan, Taiwan

RELATIONSHIP BETWEEN FAMILY HISTORY OF CARDIOVASCULAR DISEASE ON CORONARY CALCIUM SCORE

S. Saberian, S. Banga, S. Mungee, K. Wattanakit

OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA

EPIDEMIOLOGY OF LOW-DOSE ASPIRIN USE FOR PRIMARY AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE

M.E. Stuntz

Deerfield Institute, New York, NY, USA

DEVELOPMENT OF A HEALTH PROMOTION MODEL GUIDED LIFESTYLE INTERVENTION PROGRAM FOR ADULTS WITH METABOLIC SYNDROME

Q. Wang, S.Y. Chair, E.M.L. Wong

The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong

KNOWLEDGE OF HEART DISEASE IN FEMALE AND MALE COLLEGE STUDENTS

M. Granieri, C. Bavishi, A. Koulova, J.P. Cordova, J. Tamis-Holland

Mt. Sinai St. Luke's Hospital, New York, NY, USA

ISCHEMIA MODIFIED ALBUMIN AND ATHEROSCLEROSIS IN PATIENTS WITH FAMILIAL MEDITERRANEAN FEVER

A. Kucuk, A.U. Uslu, S. Arslan, S. Balta, S. Uysal, R. Yildiz, D. Sakiz, M. Kayrak, **C. Ozturk**

Meram Medical School, Dept of Cardiology, Konya, Turkey

PATTERNS OF REFERRAL AND IMMEDIATE CLINICAL IMPACT OF CORONARY ARTERY CALCIUM SCORING

A. Quddus, A. Smith, M. McLane, S. Agrawal, A. Sinha, D. Prutzman, J. Shirani, F. Burt

St. Luke's University Health Network, Bethlehem, PA, USA

ALARMINGLY HIGH CARDIOVASCULAR RISK FACTORS AMONG UNIVERSITY STUDENTS

M.J. Ruggiero, K.M. Gift, C.E. Gray, D. Kendle, M.B. Rhudy, P. Veerabhappa

The Pennsylvania State University Berks Campus, Reading, Pennsylvania, United States



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

THE B12/CRP INDEX AS A SIMPLE INDICATOR OF CORONARY ARTERY DISEASE IN AN
ADULT POPULATION

G.D. Spyromitros, I.D. Lagos, E.S. Papadopoulou, G.H. Katerini
Cardiology Department, Katerini, Greece

PREDICTORS OF CHILDHOOD OBESITY AND ADULTHOOD BLOOD PRESSURE LEVELS
S. Singh, J. Kaur, K.K. Thumburu, P. Nieminen, A. Chauhan, N. Jaiswal, A. Agarwal, M. Singh,
N. Paul, S. Sagwal

Advanced Pediatric Centre, PGIMER, Chandigarh, India

P103 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME

DECREASE IN SERUM B-TYPE NATRIURETIC PEPTIDE LEVELS IN TSUNAMI SURVIVORS
OF THE 2011 JAPAN NATURAL DISASTER

M. Nakamura, R. Komi, Y. Yonekura, K. Sakata, S. Kobayashi
Iwate Medical University, Morioka, Japan

GROUPING OF PATIENTS ON RELATION TO HOSPITAL READMISSION BY ACUTE HEART
FAILURE

J.M. Quintana, A. Anton-Ladislao, S. Garcia-Gutierrez, I. Lafuente, M.J. Morillas, E. Hernandez,
I. Rilo, N. Murga, R. Quiros
Unidad de Investigacion, Hospital Galdakao-Usansolo, Galdakao, Bizkaia, Spain

A PREDICTIVE MODEL OF 30 DAYS DEATH IN ADMITTED PATIENTS BY ACUTE HEART
FAILURE

J.M. Quintana, A. Anton, S. Garcia, I. Lafuente, M.J. Morillas, E. Hernandez, I. Rilo, N. Murga,
R. Quiros, A. Lara
Unidad de Investigacion, Hospital Galdakao-Usansolo, Spain

CONGESTIVE HEART FAILURE CLINICS: HOW TO MAKE THEM WORK IN A COMMUNITY-
BASED HOSPITAL SYSTEM

M. Kabach, J. Larned, L. Tamariz, K. Raimondo
University of Miami Miller School of Medicine, Miami, Florida, USA

EVALUATION OF IN-PATIENT CLINICAL OUTCOMES OF GUIDELINE-BASED THERAPY FOR
ACUTE HEART FAILURE

K.G. Castillo, R.E. Ramboyong
The Medical City, Pasig, Philippines.



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P104 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE

THE AUTOPHAGY EXPRESSION AND RATIONALE FOR PROTECTIVE EFFECT OF
RESVERATROL ON KAWASAKI DISEASE

F.-C. Huang, H.-C. Kuo, Y.-H. Huang, H.-R. Yu, S.-C. Li, H.-C. Kuo

Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine,
Kaohsiung, Taiwan

DELAYED DIAGNOSIS OF CONGENITAL HEART DISEASE AMONG NIGERIAN CHILDREN:
EFFECT OF SOCIOECONOMIC CLASS AND REFERAL SYSTEM

B.A. Animasahun, M.O. Adekunle, O.A. Kehinde, O.O. Odusanya

Lagos State University College of Medicine, Ikeja, Lagos, Nigeria

TILT TABLE TESTING TO DIAGNOSE PSEUDOSYNCOPE IN THE PEDIATRIC POPULATION

J.A. Robinson, J.K. Shivapour, C.S. Snyder

The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western
Reserve University School of Medicine, Cleveland, OH, USA

EFFECTS OF MONOFIN TRAINING ON LEFT VENTRICULAR PERFORMANCE IN ELITE
EGYPTIAN CHILDREN ATHLETES

M. Abouzeid

Alexandria University, Egypt

FIVE HEART CHAMBERS AT 60 YEARS: A RARE PRESENTATION OF COR TRIATRIUM
SINISTRUM

A.S. Saggiu, A.S. Rajabalan, S.V. Patel, P. Patel, T. Singh

Western Reserve Health Education/NEOMED, Youngstown, OH, USA

LATE COMPLICATIONS OF D-TRANSPOSITION OF THE GREAT ARTERIES S/P
MUSTARD PROCEDURE

K.S. Patel, K. Ramasubbu, B. Subedi

New York Methodist Hospital, NY, USA

EXCEPTIONAL SURVIVAL OF A DOUBLE INLET LEFT VENTRICLE

A.L. Schenone, D. Majdalany

Cleveland Clinic, OH, USA



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P105 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME

APPROPRIATENESS OF AERO MEDICAL TRANSPORT FOR CARDIAC EMERGENCIES

A. Aggarwal, J. Heslop, S. Banga, S. Mungee

University of Illinois College of Medicine at Peoria, Illinois; OSF Saint Francis Medical Center, Peoria, Illinois, USA

DECREASED DUPLICATE TESTING WITH ELECTRONIC MEDICAL RECORDS.

A STUDY OF 7,400 NUCLEAR MEDICINE STRESS TESTS

A. Avezbadalov, F. Mushtaq, P. Hardigan, J.J. Rozanski, M.A. Chizner

The Heart Center of Excellence, NOVA University, Fort Lauderdale, FL, USA

MAYO REGISTRY FOR TELEMETRY EFFICACY IN ARREST (MR TEA) STUDY: A DESCRIPTIVE ANALYSIS OF MEDICATION ADMINISTRATION DURING INPATIENT CARDIOPULMONARY ARREST RESUSCITATION

D.F. Snipelisky, J.C. Ray, G. Matcha, T. Vadeboncoeur, F. Kusumoto, A. Roy, A. Dumitrascu, D. Harris, M.C. Burton

Mayo Clinic, Rochester, MN, USA

IMPLEMENTATION OF A PROTOCOL FOR EARLY DISCHARGE OF LOW RISK CHEST PAIN PATIENTS PRESENTING TO EMERGENCY DEPARTEMENT

M.A. Kashef, A. Lotfi, J. Garb, A. Kugelmass

Baystate Medical Center, Springfield, MA, USA

CHANGES IN MANAGEMENT OF STEMI WITH MULTIVESSEL DISEASE IN A CARDIAC CATHETERIZATION LAB

J.B. Halevy, P.B. Gogo

The University of Vermont Medical Center, Burlington, VT, USA

THE CARE BUNDLE IN PATIENTS UNDERGOING FEMORAL ARTERY PERCUTANEOUS INTERVENTION

N. Wongsa, S. Siammai, P. Thepphawan

Bumrungrad International Hospital, Bangkok, Thailand

P106 COMPUTERS IN CARDIOLOGY

MORTALITY PREDICTION FOR ADULTS WITH CONGENITAL HEART DISEASE WITH MACHINE LEARNING ALGORITHMS

K. Andjelkovic, I. Andjelkovic, D. Kalimanovska Ostric, S. Matic, V. Karadzic

School of Medicine, University in Belgrade, Belgrade, Serbia

MOBILE HEALTH USE IN A CARDIOLOGY POPULATION

N. Dhopeswarkar, V. Vacaro, **A.B. Bhatt**

Massachusetts General Hospital, Boston, MA, USA

A VIRTUAL HEART VALVE IMPLANT SYSTEM

J. Besada, **B.J. Tourek**, D.F. Keefe, A.G. Erdman

University of Minnesota, Minneapolis, MN, USA



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ANNUAL SCIENTIFIC SESSIONS 2016
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HEART DISEASE

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

SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall A

PL04 Plenary Session
LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

PATHOGENESIS AND THERAPY OF DIABETIC CARDIOMYOPATHY (Invited Lecture)

N.S. Dhalla

St. Boniface Hospital Albrechtsen Research Centre, University of Manitoba, Winnipeg, MB, Canada

SEX DIFFERENCES IN THE CARDIOVASCULAR CONSEQUENCES OF DIABETES MELLITUS (Invited Lecture)

N.K. Wenger

Emory University School of Medicine, Atlanta, GA, USA

STATINS IN THE TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASES: CURRENT AND EMERGING CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)

C.H. Hennekens, E.H. Lieberman; M.H. Rubenstein; P.R. Hebert; D.L. DeMets; M.A. Pfeffer
Florida Atlantic University, Boca Raton, FL, USA

STATIN INTOLERANCE - NOVEL BIOMARKERS, MECHANISMS, DEFINITION, AND EFFECTIVE MANAGEMENT. A WAY TO IMPROVE THERAPY ADHERENCE AND AVOID STATIN DISCONTINUATION? (Invited Lecture)

M. Banach

Medical University of Lodz, Poland

EVOLUTION OF PCSK9 MAB THERAPY FOR DYSLIPIDEMIA (Invited Lecture)

N.D. Wong

University of California, Irvine, CA, USA

THE HIGHLY DIFFICULT LIPOPROTEIN: CONTROVERSIES AND NEW DIRECTIONS (Invited Lecture)

R.S. Rosenson

Icahn School of Medicine at Mount Sinai, New York, NY, USA

COMPREHENSIVE CARDIOVASCULAR RISK REDUCTION IN THE METABOLIC SYNDROME AND DIABETES (Invited Lecture)

L.S. Sperling

Emory University School of Medicine, Atlanta, USA

PDE5 INHIBITION IN PROTECTION OF DIABETIC HEART (Invited Lecture)

R.C. Kukreja, S.S. Koka, L. Xi, A. Varma, F.N. Salloum, E.J. Lesnfsky, A. Das
Virginia Commonwealth University Richmond, VA, USA

INITIAL STAGES OF OBESITY ARE ASSOCIATED WITH INCREASED CARDIOVASCULAR ACTIVATION UNDER STRESS (Invited Lecture)

D. Jezova, B. Prokopova, N. Hlavacova

Slovak Academy of Sciences, Bratislava, Slovakia



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

METFORMIN ENHANCES T0901317-REDUCED ATHEROSCLEROSIS AND INHIBITS
T0901317-INDUCED HYPERTRIGLYCERIDEMIA--A NEW STRATEGY FOR
ATHEROSCLEROSIS TREATMENT (Invited Lecture)

C. Ma, W. Zhang, Y. Duan, Y. Chen, **J. Han**

Nankai University, Tianjin, China

MACROPHAGE DEPOSITION OF CHOLESTEROL INTO THE EXTRACELLULAR MATRIX –
A PATHWAY FOR REVERSE CHOLESTEROL TRANSPORT (Invited Lecture)

X. Jin, D. Sviridov, Y. Liu, B. Vaisman, L. Addadi, A.T. Remaley, H.S. Kruth

National Institutes of Health, Bethesda, Maryland, USA



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Hall B

PL05 Plenary Session
ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE

IMPROVEMENT IN CLINICAL OUTCOMES WITH BIVENTRICULAR VERSUS RIGHT VENTRICULAR PACING IN THE BLOCK HF STUDY (Invited Lecture)

A.B. Curtis, S.J. Worley, E.S. Chung, P. Li, S.A. Christman, M. St. John Sutton
University at Buffalo, Buffalo, NY, USA

PREVENTION OF SUDDEN CARDIAC DEATH: CHALLENGES AND OPPORTUNITIES (Invited Lecture)

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

RISK STRATIFICATION AND THERAPY OF ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY (Invited Lecture)

D. Corrado
University of Padova, Italy

RAISING ION CHANNEL CURRENTS TO PREVENT ARRHYTHMIAS (Invited Lecture)

C. Rutledge, M. Liu, H. Liu, E.M Jeong, A. Xie, I. Efimov, **S.C. Dudley**
Lifespan Cardiovascular Institute, Providence, Brown University, Providence, RI, Providence, USA

INNOVATIVE P-WAVE DETECTION FOR DISCRIMINATION BETWEEN VENTRICULAR AND SUPRAVENTRICULAR TACHYCARDIA IN SINGLE-CHAMBER ICDS: IS THE P-WAVE INVISIBLE DURING TACHYCARDIA? (Invited Lecture)

H. Paydak
UAMS, Little Rock, AR, USA

A PACEMAKER WITH ANTI-TACHYCARDIA PACING FOR PRIMARY PREVENTION OF SUDDEN ARRHYTHMIC DEATH: RECONCEPTUALIZING DEVICE THERAPY IN THE AGE OF THE INTERNET OF THINGS (Invited Lecture)

J.R. Gimbel
Case Western Reserve University, Cleveland, OH, USA

RISK STRATIFICATION IN BRUGADA SYNDROME: ICD INDICATION IN PATIENTS WITHOUT HISTORY OF CARDIAC ARREST (Invited Lecture)

M. Takagi
Osaka City Graduate School of Medicine, Osaka, Japan

THE CHANGING PARADIGM OF ATHLETIC PARTICIPATION IN LONG QT SYNDROME (Invited Lecture)

M.J. LaPage
University of Michigan, Ann Arbor, MI, USA



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Hall C

**S22 NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY /
CORONARY REVASCLARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC
TRANSPLANTATION**

VALVE PROSTHESIS-PATIENT MISMATCH (VP-PM): A LONG-TERM PERSPECTIVE

D. Daneshvar, **S.H. Rahimtoola** (Invited Lecture)
University of Southern California, Los Angeles, CA, USA

TRANSCATHETER AORTIC VALVE IMPLANTATION SHORTENS THE QTC INTERVAL IN
PATIENTS WITH SEVERE AORTIC VALVE STENOSIS

K. Anouti, S. Goldman, R. Rodriguez, E. Gnall, G. McNeill, Z. Shaik, P. Syed,
S. Abramson, L. Zhang, P. Kowey
Lankenau Medical Center, Wynnewood, PA, USA

CHANGING PATHOLOGY OF THE AORTA: FROM ACUTE TO CHRONIC DISSECTION

S. Peterss, A.M. Mansour, J.A. Ross, I. Vaitkeviciute, P. Charilaou, J. Dumfarth, M. Tranquilli,
H. Fang, B.A. Ziganshin, J.A. Rizzo, A.J. Adeniran, **J.A. Elefteriades**
Aortic Institute at Yale-New Haven Hospital, Yale University School of Medicine,
New Haven, CT, USA

OUTCOMES IN NONAGENARIANS UNDERGOING TRANSAORTIC VALVE
REPLACEMENT IN A SINGLE CARDIOVASCULAR CENTER

J.E. Pino, O.I. Kreidieh, M. Miller, J. Choi, L.S. Lovitz, M.E. Nores, R. Chait
University of Miami, Palm Beach Regional Campus, Atlantis, FL, USA

CONTEMPORARY UTILIZATION AND GENDER-RACIAL DISPARITIES IN CORONARY
ARTERY BYPASS SURGERY IN THE UNITED STATES: ANALYSIS OF 2 MILLION PATIENTS

S.V. Patel, A. Rajabalan, P. Patel, A. Saggi, M. Patel, T. Singh
Western Reserve Health Education/NEOMED, Youngstown, OH, USA

ISCHEMIC PATIENTS UNDERGOING CARDIAC SURGERY HAVE SIGNIFICANT
MITOCHONDRIAL COMPLEX I DYSFUNCTION

D. Schipper, C. O'Hare, R. Palsma, D. Dicken, T. Kazui, Z. Khalpey
University of Arizona College of Medicine, Department of Surgery, Tucson, AZ, USA

AWAKE EXTRACORPOREAL MEMBRANE OXYGENATION BRIDGING FOR PULMONARY
RETRANSPLANTATION PROVIDES COMPARABLE RESULTS TO ELECTIVE
RETRANSPLANTATION

G. Lang, **D. Kim**, C. Aigner, J. Matila, S. Taghavi, P. Jaksch, G. Murakoezi, W. Klepetko
Medical University of Vienna, Vienna, Austria

THE USE OF EXTRACORPOREAL MEMBRANE OXYGENATION FOR CARDIAC
INDICATIONS: A TERTIARY CENTER EXPERIENCE

M. Rivera, R. Mendirichaga, S. Chaparro, M. Murman, V. Singh, R.N. Cardoso,
G. Fernandes, M. Pardinias, S. Dickens, S. Krick
University of Miami Leonard M. Miller School of Medicine, Miami, USA



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

RECURRENT PERICARDIAL EFFUSION IN A HEART TRANSPLANT RECIPIENT MANAGED
WITH A PLEURX CATHETER

B. Louka, E. Kransdorf, E. Yang, L. Lanza, O. Pajaro
Mayo Clinic, Arizona, USA

TRENDS IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)
CHARACTERISTICS AND OUTCOMES: A SINGLE CENTER EXPERIENCE

S. Gurevich, E. Ruiz-Rodriguez, E. Missov, S. Garcia, T. Biring, D. Yannopolous, R. John,
K. Liao, G. Raveendran, G. Helmer,
University of Minnesota Medical Center, MN, USA

MARKERS OF IMPROVEMENT AFTER ECMO IMPLANTATION

A. Rifai, T. Yousuf, A. Tatooles, W. Cotts, G. Bhat
Advocate Christ Medical Center, Chicago, IL, USA

CORRELATION OF DEMOGRAPHIC PROFILE AND CLINICAL RISK FACTORS WITH
SYNTAX SCORE TO PREDICT SEVERITY OF CAD IN PATIENTS UNDERGOING CABG

S.P. Shashidharan, S. Banga, S. Mungee, E. Mukhopadhyay
OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA



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Hall D

S23 CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE

LASER STIMULATED STEM CELLS TREATMENT POST-MYOCARDIAL INFARCTION IN HUMANS: SAFETY AND FEASIBILITY STUDY

A. Blatt, G. Elbaz-Greener, O. Tzuman, M. Leitman, Z. Vered, U. Oron
Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

CHARACTERISTICS AND THE AVERAGE 30-DAY AND 6-MONTH CLINICAL OUTCOMES OF PATIENTS HOSPITALIZED WITH CORONARY HEART DISEASE IN A RESOURCE-LIMITED SETTING COUNTRY

A. Qanitha, C.S.P.M. Uiterwaal, I. Yusuf, I. Mappangara, A.A. Mappahya, P. Kabo, B.A.J.M de Mol
Academic Medical Center, University of Amsterdam, The Netherlands

SAFETY OF THE ASSOCIATION OF RANOLAZINE AND IVABRADINE FOR ANTIANGINAL TREATMENT IN STABLE CORONARY ARTERY DISEASE

A. Lupi, A. Schaffer, F. Mirabelli, A. Rognoni, A.S. Bongo
AOU Maggiore della Carita', 2nd Cardiology Division, Italy

RESTLESS LEG SYNDROME AND ITS ASSOCIATION WITH ILIOFEMORAL VENOUS DISEASE

N. Reddy, N. Reddy
University of Missouri-Kansas City School of Medicine, Kansas City, MO, USA

LEFT VENTRICULAR FUNCTION ON LV ANGIOGRAPHY - A PREDICTOR FOR EARLY DISCHARGE IN PATIENTS WITH STEMI POST-PCI

S. Banga, K. Narala, **K. Kalvakuri**, J N. Patel, S. Mungee
University of Illinois College of Medicine at Peoria; OSF Saint Francis Medical Center, Peoria, Illinois, USA

BETA 2 GLYCOPROTEIN I PEPTIDE PROTECTS FROM CARDIAC ISCHEMIA REPERFUSION INJURY IN MICE

G. Chen, J.C. Weaver, P. Zhang, J. Beretov, A. Tatsuya, M. Qi, R. Bhindi, J.C. Qi, M.C. Madigan, B. Giannakopoulos, S.A. Krilis²
St George Hospital, Sydney, Australia.

ASSOCIATION BETWEEN CANCER AND CORONARY HEART DISEASE – NHANES 2011- 2012

P. Agasthi, D. Adedinsewo, A. Chaudhry, K. Sivakumar, A. Onwuanyi
Morehouse School of Medicine, Atlanta, GA, USA

PREVALENCE OF ABDOMINAL AORTIC ANEURYSM IN VETERANS WITH MULTIVESSEL CORONARY ARTERY DISEASE

M. Dameron, **R. Chana**, A. Parashar
Veterans Affairs Medical Center Salem VA, USA



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S23 CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE (cont.)

EFFECT OF NICORANDIL IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY: A SYSTEMATIC REVIEW AND META-ANALYSIS

H.H. Cui, A.D. Shen, B. Hua, H. Qiu, H. Chen, H.W. Li

Beijing Friendship Hospital, Capital Medical University, Beijing, PR China

RE-EVALUATING THE ROLE OF HEART SCORE IN CHEST PAIN ADMISSIONS

H.A. Lodhi, H. Shafiq, S. Jampana, M. Waqas, F. Hassan, A. Shafiq

Baptist Desoto Hospital, Southaven, MS; USA

THE OBESITY PARADOX ALSO OCCURS AMONG HISPANIC PUERTO RICAN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROMES

E.J. Reyes-Aponte, A. Lopez-Candales, O. García-Rodríguez, M. Irizarry, M. López, E. García

University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico, USA

SYNTHETIC PATCHES "BASEX" FOR MANAGEMENT OF POST-INFARCTION ANEURYSM OF HEART

R.A. Abdulgasanov, L.A. Boñkeria, M.R. Abdulgasanova, A.V. Ivanov

Scientific Center of Cardiovascular Surgery named after A. N. Bakulev, Moscow, Russian Federation

ELEVATED TROPONINS IN A PATIENT WITHOUT MYOCARDIAL INJURY- AN INTERESTING CASE WITH MURAL THROMBUS IN THORACIC AORTA

A. Rajabalan, B. Bat, T. Bat, A. Elmograbhy, T. Jose, S. Patel, S. Lutton, A. Bhatti,

Western Reserve Health Education/NEOMED, Youngstown, OH, USA



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Hall B

PL06 Plenary Session

NEW CONCEPTS IN THE PATHOGENESIS AND TREATMENT OF CORONARY ARTERY DISEASE

WHAT HAPPENS TO THE BRAIN AFTER MYOCARDIAL INFARCTION? (Invited Lecture)

J.L. Mehta, X. Wang

University of Arkansas for Medical Sciences and VA Medical Center, Little Rock, AR, USA

CpG DNA REGULATION OF COAGULATION: IMPLICATIONS FOR ACUTE CORONARY ARTERY DISEASE (Invited Lecture)

J.G. Filep

University of Montreal, Montreal, Quebec, Canada

TICAGRELOR AND STATIN HAVE SYNERGISTIC EFFECTS ON MYOCARDIAL PROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY (Invited Lecture)

Y. Ye, S. Nylander, **Y. Birnbaum**

Baylor College of Medicine, Houston, TX, USA

ROLE OF MICROPARTICLES IN CARDIOVASCULAR CALCIFICATION (Invited Lecture)

J.D. Hutcheson, **E. Aikawa**

Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

PROTECTION AGAINST THE CARDIAC ISCHEMIA/REPERFUSION INJURY BY PLATELETS OF TYPE 2 DIABETES (T2D) (Invited Lecture)

P. Pagliaro, C. Penna, C. Barale, F. Tullio, S. Femmino, I. Russo

University of Torino, Italy

INTRAMYOCARDIAL HEMORRHAGE AFTER ACUTE MYOCARDIAL INFARCTION; PATHOGENESIS AND CLINICAL IMPLICATIONS (Invited Lecture)

N. van Royen

VU University Medical Center, Amsterdam, The Netherlands

DIFFERENCES IN META-ANALYSES RESULTS IN CARDIAC CELL-BASED REGENERATIVE THERAPIES (Invited Lecture)

M. Gyöngyösi

Medical University of Vienna, Vienna, Austria

EVOLVING CELLULAR THERAPY IN CARDIOVASCULAR AND PERIPHERAL VASCULAR DISEASES (Invited Lecture)

R.K. Sharma, R. Komatireddy, R.K. Sharma, H.K. Reddy

University of South Florida, Tampa Florida, USA

ROLE OF CD4+ T-CELLS AFTER MYOCARDIAL INFARCTION (Invited Lecture)

U. Hofmann

University Clinic Halle(Saale), Germany

RISK FACTORS FOR NON-PLATELET THROMBOXANE GENERATION (Invited Lecture)

J.J. Rade, N. Kakouros, S.M. Nazarian, P.B. Stadler, T.J. Kickler

University of Massachusetts Medical School, Worcester, MA, USA



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Hall C

S24 ARRHYTHMIA I: DIAGNOSIS, DRUG THERAPY, ABLATION

INCIDENCE OF VENTRICULAR ARRHYTHMIAS IN CYSTIC FIBROSIS PATIENTS TREATED WITH CHRONIC AZITHROMYCIN THERAPY AND OTHER QT PROLONGING DRUGS

A.K. Tripathi, M. Mohammed, L. Fitzpatrick, M. Bromstedt, D. Lakkireddy, D. Polineni
Kansas University Medical Center, Kansas City, KS, USA

CATHETER ABLATION RELATED CORONARY OCCLUSION AND TAMPONADE - A DOUBLE HIT

N.V.K. Pothineni, J. Payne, S. Kovelamudi, J. Wong, A. Deshmukh, H. Paydak
University of Arkansas for Medical Sciences, Little Rock, AR; USA

CLINICAL OUTCOMES FOLLOWING IMPLANTABLE LOOP RECORDER (ILR)

C.H. Wong, C.C. Lang
University of Edinburgh, Edinburgh, United Kingdom

DISTRIBUTION OF ADRENERGIC AND CHOLINERGIC NERVE FIBERS WITHIN INTRINSIC NERVES AT THE LEVEL OF THE HUMAN HEART HILUM

V. Petraitiene, D.H. Pauza, R. Benetis
Medical Academy, Lithuanian University of Health Sciences, Kaunas, Lithuania

COMPARING R2CHADS2 AND CHA2DS2VASC SCORES IN STROKE PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION AND RENAL FAILURE

M.R. Vindhya, S.R. Vindhya, T. Haneke, P. Ndunda, F. Eid, J.K. Kallail
KUSM - Wichita, Wichita, Kansas, USA

LEFT ATRIAL DISSYNCHRONY AS A PREDICTOR OF POSTOPERATIVE ATRIAL FIBRILLATION IN CANCER PATIENTS

R.A. Quintana-Quezada, K.K. Vahdat, J. Song, S.W. Yusuf, A. Vaporciyan, K. Karimzad
The University of Texas MD Anderson Cancer Center, Houston, TX, USA

SMARTPHONE BASED APPLICATIONS ACCURATELY PREDICT RHYTHM DISTURBANCES AND DIAGNOSE SILENT ATRIAL FIBRILLATION

O.S. Sandhu, B.K. Joshi, S. Joshi
University of San Francisco at Fresno, Fresno, CA, USA

DOES OBESITY IMPACT THE RECURRENCE OF ATRIAL FIBRILLATION AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER?

A. Avezbadalov, S. Pollack, A.F. Osman
The Heart Center of Excellence, NOVA Southeastern University, Fort Lauderdale, FL, USA

SHORT PR: IT IS NOT ALWAYS WOLFF-PARKINSON-WHITE SYNDROME

P. Christia, I. Katsa, J. Miles, R. Faillace
Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA



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S25 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

VALIDATION OF AN EARLY WARNING SCORE FOR IDENTIFYING HOSPITALIZED CHILDREN AT RISK FOR CLINICAL DETERIORATION

M.C. McLellan; K. Gauvreau; J.A. Connor

Boston Children's Hospital, Boston, MA

MATERNAL EXPOSURE TO DI(2-ETHYHEXYL)PHTHALATE IMPACTS FETAL CARDIAC DEVELOPMENT

C. Wang, Y.F. Li, Y.F. Zhang, K.Y. Zhou, Y.M. Hua

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

CONGENITAL HEART DISEASE IN INDIA

R. Bhardwaj, A. Kumar, D. Agrawal, **B. Mohapatra**

Dept. of Zoology, Institute of Science, BHU, Varanasi, India

BIORESORBABLE SCAFFOLD MEETS ROSS OPERATION. AN INTRIGUING SOLUTION TO AVOID PULMONARY AUTOGRAFT DILATATION

M. Lusini, M. Fraldi, A. Nenna, C. Spadaccio, M. Chello, C. Acar, F. Nappi

University Campus Bio-Medico of Rome, Italy

PERCUTANEOUS TRANSCATHETER CLOSURE OF CONGENITAL CORONARY ARTERY FISTULAE WITH PATENT DUCTUS ARTERIOSUS OCCLUDER IN CHILDREN: FOCUS ON PATIENT SELECTION AND INTERMEDIATE-TERM FOLLOW-UP RESULTS

Y.M. Hua, C. Wang, Y.F. Li, K.Y. Zhou

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

CLINICAL RESEARCH ON FETAL BRADYCARDIA

K.Y. Zhou, C. Wang, Y.F. Li, Y.M. Hua

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

COGNITIVE REQUIREMENTS FOR AUTOMATIC EXTERNAL DEFIBRILLATOR USE: ARE WE STARTING TOO YOUNG?

C.S. Snyder, H. Hall

The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA

ASSOCIATIONS BETWEEN ABCB1 AND ABCG2 GENE POLYMORPHISMS OF CHILDREN AND ISOLATED SEPTAL DEFECTS IN A HAN CHINESE POPULATION

C. Wang, K.Y. Zhou, Y.F. Li, Y. Zhang, Y.M. Hua

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

CORRELATION BETWEEN ECG ABNORMALITIES AND MARIJUANA USE IN THE PEDIATRIC POPULATION

J.A. Robinson, S. Somasegar, J.K. Shivapour, C.S. Snyder

The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA



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

EFFECT OF FENESTRATION ON EARLY POSTOPERATIVE OUTCOME IN PATIENTS WITH DIFFERENT RISK LEVEL UNDERGOING EXTRACARDIAC FONTAN

F. Fan, Q. Wang, Z.M. Liu, S.J. Li, T. Yi, J. Yan, F.X. Yan, X. Wang

The Pediatric Cardiac Surgical Centre, Cardiovascular Institute and Fu Wai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

YIELD OF SPORTS PREPARTICIPATION CARDIOVASCULAR SCREENING IN MIDDLE AND HIGH SCHOOL STUDENTS

A. Sinha, K.A. Nguyen, A. Singh, A. Fedor, K. Mousely, S. Agrawal, M. Vikram,

S. Stevens, D. Traub, S. Nanda, J. Shirani

St. Luke's University Health Network, Bethlehem, PA, USA

EFFICACY OF PRENATAL DIAGNOSIS OF MAJOR CONGENITAL HEART DISEASE ON PERINATAL MANAGEMENT AND PERIOPERATIVE MORTALITY: A SYSTEMATIC REVIEW AND META-ANALYSIS

Y.F. Li, C. Wang, D.Z. Mu, K.Y. Zhou, Y.M. Hua

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

RESOLUTION OF EARLY SECOND TRIMESTER HYDROPS FETALIS FOLLOWING TREATMENT OF FETAL TACHYCARDIA

J.A. Robinson, J.P. Strainic, J.K. Shivapour, C.S. Snyder

The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA



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P201 ECHOCARDIOGRAPHY

ASSESSMENT OF ASCENDING AORTIC DIAMETER BY TRANSTHORACIC ECHOCARDIOGRAPHY: AGE AND SEX SPECIFIC REFERENCE VALUES IN ADULTS WITH AND WITHOUT SYSTEMIC HYPERTENSION

G. Kumar, **C. Ayoub**, P. Thapa, F.A. Miller, P.C. Spittell

Emory University School of Medicine, Atlanta, GA, USA

LARGE CARDIAC HAMARTOMA: CHARACTERIZATION OF MASS AND MANAGEMENT WITH IMAGING

C. Ayoub, S.A. Luis, J. Maleszewski, P. Pellikka

Mayo Clinic, Rochester, MN, USA

MERCILESS, METASTATIC, MALIGNANCY TO THE HEART: CASE OF PULMONARY SARCOMATOID ADENOCARCINOMA

H. Narayanasamy, T. Naqvi, S.M. Wilansky

Mayo Clinic, Arizona, USA

CORRELATION OF 2D AND 3D ECHOCARDIOGRAPHIC LEFT VENTRICULAR EJECTION FRACTIONS AMONG PATIENTS WITH ACUTE CORONARY SYNDROME

J. Salvanera, I. Bundalian, R. Ramboyong

The Medical City, Pasig City, Philippines

A CASE OF INFERIOR VENA CAVA MASS ON ECHOCARDIOGRAPHY

A. Quddus, A. Smith, M. Mchlane, S. Agrawal, A. Singh, S. Longo, J. Shirani

St. Luke's University Health Network, Bethlehem, PA, USA

A GIANT LEFT ATRIAL MASS: NOT A MYXOMA

C. Gallegos, V. Singh, M. Rivera-Maza, R. Colombo, R.C. Hendel,

University of Miami, Miller School of Medicine, FL, USA

P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES

IMPACT OF DIABETES MELLITUS ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC INDIVIDUALS

J.A. Ryu, G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon

Daejeon St. Mary's Hospital, the Catholic University of Korea, Seoul, Korea

IS NON-INVASIVE MEASUREMENT OF CARDIAC OUTPUT USING ELECTRICAL CARDIOMETRY IN PATIENTS WITH AORTIC STENOSIS A RELIABLE METHOD?

P. Teefy, R. Bagur, K. Karimi-Shahri, J. Teefy, R. Sule, C. Phillips, **K. Norozi**

Western University, London, ON, Canada

IMPACT OF INITIAL FUNCTIONAL EVALUATION COMPARED WITH INVASIVE ANGIOGRAPHY FOR STABLE CORONARY ARTERY DISEASE

G.S. Jung, S.Y. Oh, G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon

Daejeon St. Mary's Hospital, the Catholic University of Korea, Seoul, Korea



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P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES (cont.)

THE EFFECT OF NEGATIVE CARDIAC NUCLEAR STRESS ON EMERGENCY-ROOM VISIT AND READMISSION FOR CHEST PAIN

S. Talebi, O. Zaher, **H. Reyes**, O. Olatunde, F. Visco, G. Pekler

New York Medical College - Metropolitan Hospital Center, New York, NY, USA

MULTIMODALITY APPROACH IN PERCUTANEOUS INTERVENTION OF RENAL ARTERY FIBROMUSCULAR DYSPLASIA IN AN 80-YEAR OLD FEMALE

N. Katta, P. Velagapudi, M. Mittal, H. Agrawal, A. Kumar

University of Missouri School of Medicine, Columbia, MO, USA

THE PANTYHOSE PROJECT

D.A. Bloomfield, F. Rotatori

Richmond University Medical Center, Staten Island, New York, USA

THE EFFICACY OF SONOGRAPHIC MEASUREMENT OF INFERIOR VENA CAVA DIAMETER AS AN ESTIMATE OF CENTRAL VENOUS PRESSURE

W. Ciozda, I. Kedan, R. Khandwalla, R. Zimmer, A. Kimchi

David Geffen School of Medicine, University of California, Los Angeles, California, USA

INCIDENTAL FINDING OF INTERVENTRICULAR MEMBRANOUS SEPTAL ANEURYSM IN A PATIENT WITH SUPRAVENTRICULAR TACHYCARDIA

F. Elmi, M. Sharma, B. Ganguly

Drexel University College of Medicine, Philadelphia, PA, USA

INTRACORONARY IMAGING ISOLATES A RARITY

N.B. Marah, K. Ramasubbu, R. Marok, M. Khan D. Ramai

New York Methodist Hospital, Brooklyn, NY, USA

P203 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT

INCREASED RISK OF SENILE DEMENTIA AFTER ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY

H.P. Feng, W.C. Tzeng

Institute of Medical Sciences, National Defense Medical Center, Taipei, Taiwan

UTILITY OF SIGNAL-AVERAGED HOLTER ELECTROCARDIOGRAM AFTER PILSICAINIDE PROVOCATION FOR RISK STRATIFICATION IN BRUGADA SYNDROME

J. Kakhara, M. Takagi, Y. Hayashi, H. Tatsumi, A. Doi, K. Sugioka, M. Yoshiyama

Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka, Japan



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P203 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT (cont.)

COMPARISON OF B-TYPE NATRIURETIC PEPTIDE ASSAYS FOR IDENTIFYING ADVERSE EVENTS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE: META-ANALYSIS OF RANDOMIZED AND NON RANDOMIZED STUDIES

S.M. Muddassir, A. Ishfaq, M.A. Ismail, **M.F. Ishfaq**
Oak Hill Hospital, FL, USA

TRANSIENT LOSS OF CONSCIOUSNESS ASSESSMENT IN A CENTRAL EUROPEAN HOSPITAL. FROM DIAGNOSIS TO PROGNOSIS

J.P. Freitas, M. Silva, A.R. Godinho, M. Silva, G. Pestana, M.J. Maciel
Hospital Sao Joao, Porto, Portugal

THE IMPACT OF SOCIOECONOMIC HEALTH DISPARITIES IN CONGESTIVE HEART FAILURE IN OUT PATIENT MANAGEMENT A CASE SERIES RETROSPECTIVE ANALYSIS OF DIAGNOSED CASES

R. Patel, A. Patel, M. Singh, M.D. Dao, B. Hussain, K. George
Clinical Trial Network, Houston, TX, USA

P204 NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE

TO THE QUESTION OF TARGETING THERAPY OF PATIENTS WITH DIABETIC MELLITUS AND ISCHEMIC HEART DISEASE

O.P. Donetskaya, V.A. Tulupova, N.V. Shuldeshova, R.G. Oganov
Clinic No 1 Department of Presidential Affairs of RF, Moscow, Russia

CORRELATION BETWEEN REDOX-POTENTIAL AND PRO-BRAIN NATRIURETIC PEPTIDE WITH SEVERITY OF HEART FAILURE SYMPTOMS AND CARDIAC HEMODYNAMICS AND EFFICACY OF THERAPY

O.P. Donetskaya, N.V. Shuldeshova, V.A. Tulupova, V.E. Malikov, M.A. Arzumanyan, R.G. Oganov
Clinic No 1 Department of Presidential Affairs of RF, Department: Department of Cardiology, Moscow, Russia

COMPARABLE LONG-TERM PROGNOSIS AFTER THE CHANGE FROM ANGIOTENSIN-CONVERTING ENZYME INHIBITOR TO ANGIOTENSIN RECEPTOR BLOCKER IN ACUTE MYOCARDIAL INFARCTION

H.Y. Kim, S.M. Lim, K.Y. Chang, W.S. Chung, K.B. Seung
The Catholic University of Korea, Seoul, Korea

THE EFFECT OF INTRAHEPATIC CHOLESTASIS OF PREGNANCY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE

C. Wang, Y.M. Hua, Y. Zhang, Y.F. Li, K.Y. Zhou
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China



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P204 NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE (cont.)

SODIUM TANSKINONE IIA SULFONATE AND SODIUM DANSHENSU OPEN THE PLACENTAL BARRIER THROUGH DOWN-REGULATION OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE

C. Wang, K.Y. Zhou, Y.F. Li, Y.F. Zhang, Y.M. Hua

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

EVALUATION OXIDATIVE STRESS IN PLACENTA OF FETAL CARDIAC DYSFUNCTION RAT MODEL AND ANTIOXIDANT DEFENSES OF MATERNAL VITAMIN C SUPPLEMENTATION WITH THE IMPACTS ON P-GLYCOPROTEIN

Y.F. Li, C. Wang, D.Z. Mu, Y.M. Hua, K.Y. Zhou

West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

MODIFICATION OF NITRIC OXIDE SERUM LEVELS IN CARDIOVASCULAR DISEASE ELDERLY PATIENTS

S. Opris, G. Constantin, V. Andrei

National Institute of Gerontology and Geriatrics "Ana Aslan", Bucharest, Romania

THE CLINICAL OBSERVATIONS OF CREATINE PHOSPHATE SODIUM COMBINING WITH FRUCTOSE DIPHOSPHATE FOR INJECTION ON ELDERLY SEVERE DIASTOLIC HEART FAILURE

Y.Y. Li, X.H. Zeng, X.J. Zeng, Z.H. Liu

Chengdu Second Hospital, Chengdu Sichuan

P205 MISCELLANEOUS

ASSESSING THE COMPETENCY OF INTERNAL MEDICINE RESIDENTS IN ELECTROCARDIOGRAM INTERPRETATION

A. Kodra, T. Rambhatla, S. Patel, N. Coplan

Lenox Hill Hospital, New York, NY, USA

ELECTROCARDIOGRAM VOLTAGE DISCORDANCE: INTERPRETATION OF LOW QRS VOLTAGE ONLY IN THE PRECORDIAL LEADS

D.H. Kim, R.J. Verdino

Drexel University College of Medicine, Philadelphia, PA, USA

THE EFFECT OF EVENT DEBRIEFING ON THE EMERGENCY MEDICAL SERVICES STUDENTS' ADVANCED CPR SKILL

H. Raeisi, F. Ahanchian

Universal Health Support Corp., Toronto, ON, Canada

A LARGE MASS OBLITERATING THE RIGHT VENTRICLE: A TUMOR OR A THROMBUS?

S. Patnaik, M. Shah, S. Sharm, H. Seetha Rammohan, A. Rubin

Albert Einstein Medical Center, Philadelphia, PA, USA



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P205 MISCELLANEOUS (cont.)

ASSESSMENT THE ROLE OF CORONARY CLEARANCE FRAME COUNT IN PATIENTS WITH CARDIAC SYNDROME X

E. Yildirim, U.C. Yuksel, B. Bagan, M. Celik, M. Koklu, S. Gormel, H.K. Kabul, C. Barcin
Gulhane Military Medical Academy, Department of Cardiology, Ankara, Turkey

MULTI-CHAMBER CARDIAC EMBOLUS DETECTED WITH MULTI-MODAL IMAGING

V. Tavakoli, R. Grodman, J. Nfonoyim, A.R. Chaudery, V. Pandian
Richmond University Medical Center, New York, NY, USA

CARDIOVASCULAR DISEASE IS ASSOCIATED WITH AN INCREASED RISK OF FRAILTY IN ELDERLY RESIDENTS OF A LONG-TERM CARE FACILITY

C.J. Hsieh, N.F. Miao
National Taipei University of Nursing and Health Sciences, Taipei, Taiwan

PSEUDOHYPONATREMIA CAUSED BY LIPOPROTEIN X IN OBSTRUCTIVE BILIARY CHOLESTASIS SECONDARY TO PANCREATIC CANCER

K. Anouti, J. Clark, M. Maalouf, E. Gnall, T. Phambolis, T. Shapiro
Lankenau Medical Center, Wynnewood, PA, USA

INCREASED RISK OF ISCHEMIC HEART DISEASE AMONG SUBJECTS WITH CATARACTS: A NATIONWIDE POPULATION-BASED STUDY IN A COHORT OF 23 MILLION PEOPLE

W.S. Hu
College of Medicine, China Medical University, Taichung, Taiwan

CARDIAC TUBERCULOMA PRESENTING AS THROMBOTIC THROMBOCYTOPENIC PURPURA-HEMOLYTIC UREMIC SYNDROME

E.A. Christian, R.M. Mehta, R.N. Khouzam
University of Tennessee Health Sciences Center, Memphis, TN, USA

A CASE REPORT OF CELIAC GANGLION BLOCK IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME

H.Y. Mistry, S.E. Hamid, A. Suleman
The Heartbeat Clinic, McKinney, Texas, USA

INTRACARDIAC THROMBUS IN A WARFARIN RESISTANT PATIENT

F. Khan, B.C. Berger
Abington Jefferson Health, Abington, PA, USA

LARGE HEPATIC CYST AND PATENT FORAMEN OVALE: UNUSUAL COMBINATION PRODUCING PLATYPNEA-ORTHODEOXIA SYNDROME

B.A. Foreman, J Hansen
Penn State Hershey Medical Center/College of Medicine, Hershey, PA, USA

USE OF HIGH FREQUENCY PERCUSSIVE VENTILATOR AS BRIDGE TO ORGAN PROCUREMENT: LIFE GOES ON

F. Benn, A. Ashwad, I. Gulkarov, B. Fahoum, F. Khusid, M. Majumder
New York Methodist Hospital, Brooklyn NY USA



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Hall A

PL07 Plenary Session

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

ASTHMA AS A RISK FACTOR OF HUMAN AND EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM (Invited Lecture)

C-L. Liu, H. Wemmelund, J.S. Lindholt, A. Daugherty, B.D. Levy, P. Libby, **G-P. Shi**
Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA

CXCR6/CXCL16 AXIS IS INVOLVED IN MONONUCLEAR CELL ADHESION INDUCED BY ANGIOTENSIN II, POTENTIAL IMPLICATION IN ABDOMINAL AORTIC ANEURYSM (AAA) FORMATION? (Invited Lecture)

M.J. Sanz, A. Collado, P. Escudero, C. Rius, P. Marques, L. Piqueras
Faculty of Medicine, University of Valencia, Valencia, Spain

THE CENTRAL ROLE OF SMOOTH MUSCLE CELL MITOCHONDRIA IN THE PREVENTION OF ABDOMINAL AORTIC ANEURYSM BY LOW LEVEL LASER THERAPY (Invited Lecture)

L. Gavish, R. Beerli, D. Gilon, C. Rubinstein, Y. Berlatzky, **S.D. Gertz**
The Hebrew University of Jerusalem and Hadassah University Hospital, Jerusalem, Israel

WHAT IS THE PROGRESS WITH TREATMENTS FOR SMALL ABDOMINAL AORTIC ANEURYSMS? (Invited Lecture)

J. Golledge
James Cook University, School of Medicine Townsville, Queensland, Australia

WHOLE EXOME SEQUENCE FOR THORACIC AORTIC ANEURYSMS (Invited Lecture)

B.A. Ziganshin, A.E. Bailey, C. Coons, D. Dykas, P. Charilaou, L.H. Tanriverdi, L. Liu, M. Tranquilli, A.E. Bale, **J.A. Elefteriades**
Yale University School of Medicine, New Haven, CT, USA

DILATING VENOUS DISEASE: PATHOPHYSIOLOGY AND A SYSTEMATIC ASPECT TO DIFFERENT VASCULAR TERRITORIES (Invited Lecture)

E. Yetkin, International Medical Center, Mersin, Turkey

MANAGEMENT OF VENOTROMBOEMBOLISM (Invited Lecture)

T. Tomaru, T. Matsubara, E. Matsubara, S. Kodera
Toho University Sakura Hospital, Sakura, Japan

DRUG ELUTING BALLOONS IN CORONARY AND PERIPHERAL INTERVENTIONS (Invited Lecture)

A. Kumar, V. Mohan, N. Mohan
Ashok Hospital, Amritsar, Punjab, India

THE 2016 BEST TOOL FOR PERIPHERAL VASCULAR INTERVENTION (Invited Lecture)

S.M. Butman
Verde Valley Medical Center, Cottonwood, AZ, Banner University Medical Center, Tucson, AZ, USA



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Hall B

PL08 Plenary Session
ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR INTERVENTIONS

NOVEL REGULATION OF VASCULAR CALCIFICATION (Invited Lecture)

Y. Chen

University of Alabama at Birmingham, Birmingham, AL, USA

PREVENTION AND INTERFERENCE OF ATHEROSCLEROTIC HEART DISEASE IN MULTIPLE ANIMAL MODELS (Invited Lecture)

S. Chatterjee, D. Bedja, S. Mishra, C. Amuzie, C.A. Foss, M.G. Pomper, R. Bhattacharaya, K.J. Yarema

Johns Hopkins University, Baltimore, MD, USA

GLYCOSAMINOGLYCANS (GAGS) IN CARDIOVASCULAR DISEASE: SEARCHING FOR THE SWEET SPOT (Invited Lecture)

A. Lucas

University of Florida, Gainesville, FL, USA

OXIDATIVE STRESS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)

C. Chen, J. Lu, Q. Yao

Baylor College of Medicine, Houston, TX, USA

A NANOMEDICAL APPROACH TO THE RESTORATION OF DYSFUNCTIONAL ENDOTHELIUM AND THE FUNCTION OF THE CARDIOVASCULAR SYSTEM (Invited Lecture)

T. Malinski, S. Awad, H. Dawoud

Ohio University, Athens, OH, USA

EFFECT OF ENDOTHELIAL CELL SENESENCE ON THE HEAT SHOCK RESPONSE AND CELLULAR FUNCTION (Invited Lecture)

A.A. Knowlton, H.T. Hwang

Sacramento VA Medical Center, Mather, CA USA and University of California, Davis, CA, USA

INVOLVEMENT OF STROMAL INTERACTION MOLECULE-1 IN ANGIOTENSIN-II-INDUCED EXPRESSION OF EARLY GROWTH RESPONSE PROTEIN-1 IN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture)

E.R. Simo-Cheyrou, **A.K. Srivastava**

CRCHUM, University of Montreal, Montreal, Quebec, Canada

MICRORNA REGULATION OF ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS (Invited Lecture)

M. Feinberg

Brigham and Women's Hospital, Boston, MA, and Harvard Medical School, Boston, MA, USA

IMPACT OF REACTIVE OXYGEN SPECIES ON CORONARY ARTERIAL REMODELING - A COMPARATIVE INTRAVASCULAR ULTRASOUND AND HISTOCHEMICAL ANALYSIS OF ATHEROSCLEROTIC LESIONS (Invited Lecture)

M. Terashima

Toyohashi Heart Center, Toyohashi, Japan



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Hall B

PL08 Plenary Session

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

MOLECULAR MECHANISMS OF VASCULAR DYSFUNCTION AND ATHEROSCLEROSIS REGULATED BY HEMODYNAMICS FORCES (Invited Lecture)

Z-G. Jin

University of Rochester School of Medicine and Dentistry, Rochester, NY, USA

ADAR1-MEDIATED RNA EDITING, A NOVEL MECHANISM CONTROLLING VASCULAR SMOOTH MUSCLE PHENOTYPIC MODULATION (Invited Lecture)

J. Fei, X.B. Cui, K. Dong, **S.Y. Chen**

University of Georgia, Athens, GA, USA

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Hall C

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

ATRIAL FIBRILLATION INFLUENCES RIGHT ATRIAL PRESSURE ESTIMATION BY HAND HELD ULTRASOUND ASSESSMENT OF THE VENA CAVA

D.W. Kehl, R. Zimmer, G. Sheth, S.R. Shadix, R. Khandwalla, I. Kedan

Cedars-Sinai Medical Center, Los Angeles, CA, USA

CONCORDANCE BETWEEN MYOCARDIAL PERFUSION SCAN ASSESSED BY SPECT AND FRACTIONAL FLOW RESERVE FINDINGS FOR DETECTION OF SIGNIFICANT ISCHEMIA

M. Safi, M.R. Karimlu, I. Khaheshi, B. Ataeinia, **P. Nabavizadeh Rafsanjani**

Shahid Beheshti University of Medical Sciences, Tehran, Iran

SYMPATHETIC CARDIAC ACTIVITY EVALUATED BY 123I-MIBG SCINTIGRAPHY IN LEFT VENTRICULAR NON-COMPACTION

E. Martins, A.I.C. Sousa, M.T. Faria, A.C. Oliveira, T.M.A. Pinho, T. Vieira, M.B. Campelo,

J.C. Silva-Cardoso, J.G. Pereira, F.F. Rocha-Goncalves

Faculty of Medicine, University of Porto, Porto Portugal

NEW SOFTWARE BASED BEAMFORMING ALGORITHM IS SUPERIOR TO HARDWARE BASED BEAMFORMER IN ENDOCARDIAL BORDER DETECTION

R.A. Kulina, B. Wiley, S. Agarwal, A. Traube, S. Ka, S. Schiller, L. Clark, J. Narula*,

P. Sengupta, F. Chaudhry*

Icahn School of Medicine at Mount Sinai, New York, NY, USA

A MIXED TREATMENT ANALYSIS COMPARING THE EFFICACIES OF IVABRADINE VERSUS BETA BLOCKERS WHEN USED AS PREMEDICATION FOR HEART RATE REDUCTION IN COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY

S. Dayanand, J.M. Martinez

University of Central Florida, Kissimmee, FL, USA



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Hall D

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

COST EFFECTIVENESS OF CORONARY CT ANGIOGRAPHY IN PATIENTS WITH LOW RISK FOR CORONARY ARTERY DISEASE (CAD) AT A TERTIARY CARE CENTER

K. Kalvakuri, S. Banga, S. Singh, W. Keattiyot, M.F. Malik
University of Illinois College of Medicine at Peoria, Illinois, USA

GLOBAL LONGITUDINAL STRAIN AS A PREDICTOR OF MAJOR ADVERSE EVENTS IN ESRD PATIENTS WITH PRESERVED EJECTION FRACTION

S. Furlan, F. Abdelmalak, E. Donath, R. Chait
University of Miami, Palm Beach Regional Campus, Atlantis, FL, USA

INCIDENCE OF SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC PATIENTS WITH METABOLIC SYNDROME: THE POTENTIAL OF MULTI-SLICE COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY

W.A. Hamed, A.A. Reda, A.M. Magdy, H.M. Mounir
Menoufiya University, Faculty of Medicine, Cardiology Department, Egypt

HYPEREMIC INSTANTANEOUS WAVE-FREE RATIO PROVIDES THE HEMODYNAMIC OUTCOME FOR MODERATE TO SEVERE CORONARY ARTERY STENOSES

Y. Kanamori, **R. Aikawa**
Kuwana City Medical Center, Japan

08:30 – 11:45

Hall D

S27 ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION

PULMONARY AND HEMODYNAMIC RESPONSES TO FRUCTOSE-1,6-DIPHOSPHATE (FDP) IN PATIENTS WITH ACUTE LUNG INJURY (ALI)

A.K. Markov, T.N. Skelton
University of Mississippi School of Medicine Department of Medicine, Jackson, MS, USA

MORTALITY OF PULMONARY EMBOLISM TREATED WITH SYSTEMIC OR INTRAPULMONARY THROMBOLYSIS: A SINGLE CENTER, 10-YEAR RETROSPECTIVE STUDY

S. Udae, J. Cholteesupachai, S. Srimahachota
King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok, Thailand



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S27 ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION (cont.)

SHORT TERM LOW DOSE ATORVASTATIN THERAPY IMPROVES ENDOTHELIAL DYSFUNCTION IN NORMOLIPIDEMIC PATIENTS WITH PRESERVED EJECTION FRACTION HEART FAILURE

S. Yazdankhah, S.H. Majidi, **M.H. Adel**, A. Kardooni, H. Karbalivand, M. Maghsoodi, A. Rouhizadeh

Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan

A COMPARATIVE ANALYSIS OF CHRONIC HEART FAILURE IN A PREDOMINANT AFRICAN-AMERICAN POPULATION

D. Brito, E. Ladron-Franco, T. Alnabelsi, J. Penalver, A. Macedo-Dias, H.D. Hares, B. Bozorgnia
Department of Internal Medicine, Einstein Medical Center, Philadelphia, PA, USA

EFFICACY OF HIGH-FREQUENCY OSCILLATORY VENTILATION IN ADULT PATIENTS WITH ACUTE RESPIRATORY DISTRESS SYNDROME:
A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

S.M. Muddassir, A. Ishfaq, M.A. Ismail, **M.F. Ishfaq**
Oak Hill Hospital, FL, USA

GENETIC VARIATIONS IN END-STAGE DILATED CARDIOMYOPATHY PATIENTS

E. Martins, A.I.C. Sousa, P. Canedo, S.L.M.M. Leite, R. Pinto, M.B. Campelo, S.M.R. Amorim, B. Moura, J.C. Machado, J.C. Silva-Cardoso

Faculty of Medicine University of Porto, Porto, Portugal

DOXORUBICIN-INDUCED CARDIOMYOPATHY IN CHRONIC LYMPHOCYTIC LEUKEMIA AND RICHTER'S TRANSFORMATION: DEVELOPMENT OF HEART FAILURE WITH SYSTOLIC AND DIASTOLIC DYSFUNCTION

S.H. Wan, R.L. Frye
Mayo Clinic, Rochester, MN, USA

PRENATAL TRANS-PLACENTAL DIGOXIN THERAPY FOR FETAL HEART FAILURE: A COHORT STUDY

K.Y. Zhou, C. Wang, Y.F. Li, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

PATIENT PERCEPTIONS ABOUT A HOSPITAL-AT-HOME MODEL OF CARE FOR DECOMPENSATED HEART FAILURE

T. Rahman, Q. Ibrahim, H. Van Spall
McMaster University, Department of Medicine, Hamilton, ON, Canada

CLINICAL HETEROGENEITY OF LEFT VENTRICULAR NON-COMPACTION PATIENTS

A.A. Rocha, A.I.C. Sousa, T.M.A. Pinho, A.J. Madureira, F.F. Rocha-Goncalves, E. Martins
Faculty of Medicine University of Porto, Porto, Portugal



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Hall D

S27 ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION (cont.)

A CASE OF TUBERCULOUS PERICARDITIS MIMICKING LUPUS CARDITIS

C. Panagiota, I. Katsa, J. Miles, R. Faillace

Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA

CLINICAL CHARACTERISTICS OF TAKOTSUBO CARDIOMYOPATHY IN THAILAND

A. Ardjnaphai, J. Chaipromprasit

Division of Cardiovascular Medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand

EMBOLIC PARADOX: WHEN TWO WRONGS MAKE A RIGHT

V. Tavakoli, R. Bindu, C. Philip, R. Grodman, D. Bloomfield

Richmond University Medical Center, Staten Island, NY, USA

11:15 – 13:45

Hall A

**PL09 Plenary Session
VALVULAR, STRUCTURAL AND CONGENITAL HEART DISEASE: NEW CHALLENGES AND NEW DIRECTIONS**

MITRAL INTERVENTION IN CABG PATIENTS: IS LESS EVER MORE? (Invited Lecture)

L.P. Perrault

Montreal Heart Institute, East, Montreal, QC, Canada

VALVULAR HEART DISEASES 2016: EPIDEMIOLOGY AND IMPACT OF INTERVENTIONS (Invited Lecture)

J.S. Borer, P.G. Supino

SUNY Downstate, New York, NY, USA

LOW GRADIENT SEVERE AORTIC STENOSIS: ECHO FEATURES AND CLINICAL SIGNIFICANCE (Invited Lecture)

P.A. Pellikka

Mayo Clinic, Rochester, MN, USA

ATRIAL FUNCTIONAL MITRAL REGURGITATION: THE LEFT ATRIUM GETS ITS DUE RESPECT (Invited Lecture)

B.D. Hoit

University Hospitals Case Medical Center, Case Western Reserve University, Cleveland, OH, USA

OSTEOGENIC DIFFERENTIATION IS A MECHANISM FOR BIOPROSTHETIC VALVE CALCIFICATION (Invited Lecture)

N.M. Rajamannan

Mayo Clinic, Rochester, MN, USA



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Hall A

PL09 Plenary Session

VALVULAR, STRUCTURAL AND CONGENITAL HEART DISEASE: NEW CHALLENGES AND NEW DIRECTIONS (cont.)

TRANSCATHETER CLOSURE OF ATRIAL SEPTAL DEFECT WITH PULMONARY HYPERTENSION (Invited Lecture)

M. Sadiq

The Children's Hospital and Institute of Child Health, Lahore, Pakistan

AVOIDING AND SOLVING COMPLICATIONS DURING PERCUTANEOUS CLOSURE OF ASD (Invited Lecture)

A. Lorber

Rambam Medical Campus, Haifa, Israel

INCREMENTAL VALUE OF MRI IN STAGING THE SEVERITY OF AORTIC STENOSIS

M. Katayama, P.M. Panse, C.B. Kendall, J.R. Daniels, J.P. Sweeney, F.D. Fortuin,

M. Belohlavek, H.P. Chaliki

Mayo Clinic, Scottsdale, AZ, USA

IMPACT OF PREOPERATIVE PULMONARY ARTERIAL HYPERTENSION ON OUTCOME OF MITRAL VALVE REPLACEMENT

M.A. Gebrie, N. Ahmed, A. Rungtatscher, G.B. Luciani, G. Faggian

Division of Cardiac Surgery, University of Verona, Verona, Italy

EARLY OUTCOMES AFTER THE COMMANDO PROCEDURE: DOUBLE VALVE REPLACEMENT AND RECONSTRUCTION OF INTERVALVULAR FIBROSA

D.A. Steimer, T. Chamogeorgakis, J.C. MacHannaford, A. Rafael, S.R. Malyala,

G.V. Gonzalez-Stawinski, B. Lima

Baylor University, Dallas, TX, USA

11:15 – 14:00

Hall B

PL10 Plenary Session

ATRIAL FIBRILLATION AND SUPRAVENTRICULAR TACHYCARDIA: FROM MECHANISMS TO MANAGEMENT

ASYMPTOMATIC ACUTE COMPLICATIONS OF ATRIAL FIBRILLATION ABLATION USING IRRIGATED RADIOFREQUENCY TECHNOLOGY (Invited Lecture)

T. Deneke, P. Halbfuß, P. Müller, G. Szöllösi, M. Roos, J. Krug, A. Schade, A. Müller, F. Fochler, K. Nentwich

Cardiovascular Center Bad Neustadt, Germany

ANTI-THROMBOTIC THERAPY FOR ATRIAL FIBRILLATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE: CURRENT VIEWS (Invited Lecture)

M.A. Alpert

University of Missouri, Columbia, MO, USA



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PL10 Plenary Session

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

COMPLICATIONS AFTER RADIOFREQUENCY ABLATION OF ATRIAL FIBRILLATION:
ATRIAL-ESOPHAGEAL AND PERICARDIOESOPHAGEAL FISTULAS (Invited Lecture)

K. Seidl

Klinikum-Ingolstadt, Germany

THE MOST COST EFFECTIVE APPROACH TO RISK ASSESSING PATIENTS WITH WOLFF-
PARKINSON-WHITE SYNDROME (Invited Lecture)

C.S. Snyder

The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA

CARDIAC AUTONOMIC NERVE STIMULATION AND ATRIAL FIBRILLATION: EFFECT OF IN
VIVO SIMULTANEOUS SYMPATHETIC AND VAGAL EXCITATION (Invited Lecture)

Y. Zhang

Cleveland Clinic, Cleveland, OH, USA, New York Institute of Technology College of Osteopathic
Medicine, Old Westbury, NY, USA

PROGRESSION OF SUPRAVENTRICULAR TACHYARRHYTHMIA IN PATIENTS WITH
INHERITED CARDIAC DISEASES

A.A. Ragab, L. van der Does, E.A. Lanthers, C.A. Houck, N.M. de Groot

Erasmus MC, Rotterdam, The Netherlands

METABOLOMIC PROFILING IN RELATION TO NEW-ONSET ATRIAL FIBRILLATION IN THE
COMMUNITY: THE FRAMINGHAM HEART STUDY

D. Ko, E.M. Riles; E.G. Marcos; J.W. Magnani; S.A. Lubitz; H. Lin; M.T. Long; R.B. Schnabel;
D.D. McManus; P.T. Ellinor; V.S. Ramachandran; T.J. Wang; R.E. Gerszten; E.J. Benjamin;
X. Yin; M. Rienstra

Boston Medical Center, Boston University School of Medicine, Boston, MA; USA

TEMPORAL TRENDS IN PREVALENCE OF COMORBIDITIES IN ATRIAL FIBRILLATION
PATIENTS ADMITTED WITH FIRST ISCHEMIC STROKE

S. Agrawal, L. Garg, N. Maheshwari, D. Mohananey, A. Singh, A. Sinha, A. Quddus, S. Nanda,
J. Shirani.

St. Luke's University Health Network, Bethlehem, PA, USA

COLCHICINE VERSUS PLACEBO FOR PREVENTION OF POST-PROCEDURAL ATRIAL
FIBRILLATION: A SYSTEMATIC REVIEW AND META-ANALYSIS

M. Kabach, O. Kreidieh, S. El Dassouki, J. Martinez, R. Rosenstein, R. Chait

University of Miami Miller, Palm Beach Regional Campus, Atlantis, Florida, USA

GASTROINTESTINAL BLEEDING PROPHYLAXIS IN ATRIAL FIBRILLATION PATIENTS
RECEIVING DABIGATRAN

T. Nantsupawat, S. Soontrapa, N. Nantsupawat, S. Klomjit, **P. Tantrachoti**, D. Sotello,
H. Mazek, A.P. Perez-Verdia

Texas Tech University Health Sciences Center, Lubbock, TX, USA



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PL10 Plenary Session

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

IMPACT OF CHA₂DS₂VASC SCORE ON ATRIAL FIBRILLATION DETECTION IN PATIENTS WITH CRYPTOGENIC STROKE

A. Abichandani, D. Signarovitz, K. Branch, D. Prutzman, S. Agrawal, L. Sadowski, S. Stevens, D. Traub, J. Shirani, S. Nanda
St. Luke's University Health Network, Bethlehem, PA, USA

11:15 – 14:30

Hall C

S28 CARDIOVASCULAR DISEASE: PREVENTION AND RISK FACTOR

HEALTHY CAREGIVERS-HEALTHY CHILDREN: A PRIMARY PREVENTION PROGRAM WITH PRESCHOOL CHILDREN

R.N. Natale, S.E. Messiah, C. Chang, K. Sardinias, J. Fitzgibbons, S. Peraza
University of Miami School of Medicine, Mailman Center for Child Development, Miami, FL, USA

STATIN CANDIDATES IN "PRIMARY PREVENTION" DOUBLES WITH THE "ACC/AHA GUIDELINE ON THE TREATMENT OF BLOOD CHOLESTEROL TO REDUCE ATHEROSCLEROTIC CARDIOVASCULAR RISK": COMPARISON OF TWO AMERICAN GUIDELINES IN TURKISH POPULATION

C. Barcin, F. Bayram, A. Sonmez, C. Gokce, K. Gundogan
Gulhane Military Medical Academy, Ankara, Turkey

ASSESSING THE CARDIOVASCULAR HEALTH BEHAVIORS OF COLLEGE STUDENTS

M. Granieri, J.P. Cordova, A. Koulova, C. Bavishi, S. Trignano, J.E. Tamis-Holland
Mount Sinai St. Luke's Hospital, NY, USA

HOW EFFECTIVE IS LIFESTYLE INTERVENTION IN WEIGHT MANAGEMENT AND DEPRESSION IN ADULTS WITH METABOLIC SYNDROME

Q. Wang, S.Y. Chair, E.M.L. Wong
The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong

UPDATE ON ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE

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

EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON PROGRESSION OF ATHEROSCLEROSIS

N.D. Wong, A. Eisenberg, J. Cecere, C. Patao, H. Eisenberg
University of California, Irvine, CA, USA



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

THE EFFECT OF SELF-MONITORING OF BLOOD PRESSURE ON MEDICATION ADHERENCE AND LIFESTYLE FACTORS: SYSTEMATIC REVIEW, META-ANALYSIS AND QUALITATIVE INTERVIEWS

B.R. Fletcher, **J. Hartmann-Boyce**, L. Hinton, R.J. McManus
University of Oxford, Oxford, UK

CAROTID INTIMA MEDIA THICKNESS MEASUREMENT PROMISES TO IMPROVE CARDIOVASCULAR RISK EVALUATION IN HEAD AND NECK CANCER PATIENTS

D. Jacoby, **J. Hajj**, A. Javaheri, E. Degoma, A. Lin, P. Ahn, H. Quon
University of Pennsylvania, Philadelphia, PA, USA

DOES NEIGHBORHOOD DISADVANTAGE AFFECT SUBCLINICAL ATHEROSCLEROSIS?

H.M. Mamudu, A. Jones, T.K. Paul, **P. Subedi**, S.P. Veeranki, L. Wang, H.B. Panchal, A. Alamin, A. Alamin, M. Budoff
East Tennessee State University, Johnson City, Tennessee, USA

EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON MEASURES OF STRESS

A. Eisenberg, N.D. Wong, C. Pateo, J. Cecere, H. Eisenberg
Re-Engineering Healthcare, Tustin, California, USA

EFFECT OF VARIOUS CHILDHOOD ANTHROPOMETRIC MEASURES ON ADULTHOOD CAROTID INTIMA-MEDIA THICKNESS: A SYSTEMATIC REVIEW AND META-ANALYSIS

J. Kaur, S. Singh, P. Nieminen, K.K. Thumburu, A. Chauhan, N. Jaiswal, A. Agarwal, M. Singh, N. Paul, S. Sagwal
ICMR Advanced Centre for Evidenced Based Child Health, Advanced Pediatric Centre, PGIMER, Chandigarh, India

SEX DIFFERENCES OF CORONARY HEART DISEASES RISK IN POPULATION WITH HIGH LEVELS OF PERSONAL ANXIETY IN RUSSIA / SIBERIA: WHO PROGRAM MONICA-PSYCHOSOCIAL

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

HEART ATTACKS IN YOUNG ADULTS OF CENTRAL CALIFORNIA

O.S. Sandhu, B.K. Joshi
University of San Francisco at Fresno, Fresno, CA, USA

SUNDAY, JULY 31, 2016**11:15 – 14:30****Hall D****S29 CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE**

HIGH MIR-124-3P EXPRESSION IDENTIFIES WHICH SMOKING INDIVIDUALS ARE PARTICULAR SUSCEPTIBLE TO SMOKING RELATED ATHEROSCLEROSIS

M.G.M. Kok, M.W.J. de Ronde, P.D. Moerland, J. van den Bossche, A.E. Neele, I. van der Made, M.P.J. de Winther, J.C.M. Meijers, E.E. Creemers, **S.J. Pinto-Sietsma**
Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands

DEPLETION OF THE CEREBLON GENE ENHANCES CARDIAC CONTRACTILITY, CA²⁺ TRANSIENT AND MITOCHONDRIAL ENERGY METABOLISM IN MICE

H.K. Kim, T.H. Ko, Y.H. Noh, S.H. Jeong, N. Kim, B.D. Rhee, K.S. Ko, **J. Han**
College of Medicine, Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea

MITF SWITCHES FROM ACTIVATOR TO REPRESSOR OF ERBIN EXPRESSION DURING CARDIAC HYPERTROPHY

I. Rachmin, E. Amsalem, E. Golomb, R. Beerli, D. Gilon, G. Min, R.S.Y. Foo, D.E. Fisher, E. Razin, S. Tshori
Hebrew University Medical School, Jerusalem, Israel

INHIBITION OF LEPTIN RECEPTOR ABOLISHES INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA- REPERFUSION INJURY

N. Motayaghenni, S. Phan, C. Eshraghi, M. Eghbali
UCLA, CA, USA

CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC

S.A. Mirabbasi, K. Khalighi, B. Khalighi, A. Kodali, Y. Wu, W. Fan
Easton Hospital, Drexel University, Easton, PA, USA

A GENOME-WIDE METHYLATION ANALYSIS SHOWS DIFFERENTIALLY METHYLATED REGIONS BETWEEN FUTURE CVD CASES AND CONTROLS

O. Coltell, J.V. Sorli, E.M. Asensio, R. Fernandez-Carrion, C. Ortega-Azorin, R. Barragan-Arnal, I. Gonzalez-Monje, F. Aros, J.M. Ordovas, D. Corella
CiberOBN, Madrid, Spain

CARDIAC EVENTS SEVERITY AND FREQUENCY AND KCNQ1 PATHOGENIC MUTATIONS

K. Banihashemi, F. Davoudi
IIR& ATU, Tehran University of Medical Sciences, Tehran, Iran

CLINICAL AND PROGNOSTIC PROFILE OF PATIENTS WITH DILATED CARDIOMYOPATHY WITH MYBPC3 GENE MUTATIONS

E. Martins, A.I.C. Sousa, P. Canedo, B. Moura, L.M.R. Lopes, O. Azevedo, S.M.R. Amorim, F.F. Rocha-Goncalves, J.C. Machado, J.C. Silva-Cardoso
Faculty of Medicine University of Porto, Porto, Portugal

1379 RELATIONSHIP BETWEEN ASPIRIN RESPONSE RELATED MICRORNA AND THE RISK OF CARDIOVASCULAR EVENTS IN CAD PATIENTS

J.W. Zhang, T.F. Liu, W.Y. Liang, X.R. Feng, L. Wang, P.Z. Wang, S.W. Fu, T.A. McCaffrey, M.L. Liu
Department of Geriatrics, Peking University First Hospital, Beijing, China



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S29 CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE (cont.)

A GENETIC VARIANT IN THE CIRCADIAN GENE BMAL1 IS ASSOCIATED WITH HIGHER INCIDENCE OF CARDIOVASCULAR DISEASES

D. Corella, J.V. Sorli, F.G. Frances, R. Fernandez-Carrion, R. Estruch, L. Parnell, F. Aros, C. Saiz, J.M. Ordovas, O. Coltell
CiberOBN, Madrid, Spain

ASSOCIATION OF COMMON POLYMORPHISMS OF THE LIPOPROTEIN LIPASE AND PON1 GENES WITH THE METABOLIC SYNDROME IN A SAMPLE OF COMMUNITY PARTICIPANTS

R. Prakaschandra, D.P. Naidoo
Durban University of Technology, Durban, South Africa

MMP1 GENE POLYMORPHISM AND CIRCULATING MMP IN ELDERLY WITH LIPEMIA AND PATIENTS WITH IHD

G.A. Paul, N.V. Goncharova, V.M. Belichenko, **T.A. Korolenko**
Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia

EVALUATION OF GENETIC PROFILES IN MEDICATION ADJUSTMENTS

A.J. Allen, J.M. Wetmore, M.F. Maturi Allen, D.R. Talreja
Yale University New Haven, CT, USA



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Poster Hall

P301 VASCULAR BIOLOGY, BASIC RESEARCH

MICRORNA AS KEY TARGETS OF MEF2 TRANSCRIPTION FACTOR IN THE ENDOTHELIUM: ROLE IN THE PATHOGENESIS OF PULMONARY ARTERIAL HYPERTENSION

J. Kim, **Y. Young**

Sookmyung Women's University, Seoul, South Korea

PROCOLLAGEN TYPE I CARBOXY-TERMINAL PROPEPTIDE IS ASSOCIATED WITH BLOOD PRESSURE, CARDIAC HYPERTROPHY AND DYSFUNCTION, AND PREDICT CARDIOVASCULAR EVENTS IN HEMODIALYSIS PATIENTS

Y.O. Kim, B.M. Choi, S.J. Shin

The Catholic University, Seoul, Korea

IDH2 DEFICIENCY IMPAIRS MITOCHONDRIAL FUNCTION IN ENDOTHELIAL CELLS AND ENDOTHELIUM-DEPENDENT VASOMOTOR FUNCTION

S. Jung, C. Kim

Chungnam National University, Daejeon, Korea

EFFECTS OF PERIVASCULAR ADIPOSE TISSUE ON VASODILATION DIFFER BY THE SEVERITY OF METABOLIC DISORDERS

S. Kagota, S. Iwata, K. Maruyama, S. Koyanagi, K. Shinozuka

Mukogawa Women's University, Nishinomiya, Japan

TRASTUZUMAB INDUCES SYSTEMIC OXIDATIVE STRESS IN AN EXPERIMENTAL BIOLOGICAL MODEL

M.C. Ramirez-Ortega, J.C. Torres-Narvaez, L. Del Valle-Mondragon, J.F. Carrillo-Hernandez, A.M. Gamez-Mendez, M.L. Ibarra-Lara, M. Sanchez-Aguilar, M.A. Sanchez-Mendoza, G. Pastelin-Hernandez

Instituto Nacional de Cardiologia "Ignacio Chavez", Mexico City, Distrito Federal, Mexico

TIME-DEPENDENT RELAXANT EFFECTS OF NITRIC OXIDE AND CARBON MONOXIDE INTERACTION ON ALBINO RATS AORTIC RINGS WITH SPECIAL EMPHASIS ON THE ROLES OF K⁺ AND CA⁺⁺ CHANNELS

O.A. Al-Habib, S.S. Khalil

University of Zakho, Kurdistan Region, Iraq

PROTEASE-ACTIVATED RECEPTOR-2 RELAXATION OF RAT AORTAS VASODILATION IN METABOLIC SYNDROME

K. Maruyama, S. Kagota, J.J. McGuire, N. Yoshikawa, K. Nakamura, K. Shinozuka

Mukogawa Women's University, Nishinomiya, Hyogo, Japan

CARDIOVASCULAR RISK ASSOCIATED WITH INDOOR AIR POLLUTION FROM BIOMASS FUEL COMBUSTION

S. Mukherjee, S. Siddique, M.R. Ray

Amity University Uttar Pradesh Lucknow Campus, Lucknow, Uttar Pradesh, India



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P302 PHARMACOLOGIC MODULATION OF VASCULAR - ENDOTHELIAL FUNCTION

THE PROTECTIVE EFFECTS OF PARTHENOLIDE TREATMENT IN MOUSE CORTICAL MICROVASCULAR ENDOTHELIAL CELLS INVOLVED Ca^{2+} CLEARANCE SUPPRESSION BY IMPAIRING PLASMALEMMAL Ca^{2+} PUMP ACTIVITIES AND ER STRESS

K.L. Wong, T.Y. Tsai, S.Y. Lou, C.W. Cheung, Y.M. Leung
China Medical University & Hospital, Taichung, Taiwan

USE OF DEEP SEDATION WITH PROPOFOL TO RELIEVE CATHETER ENTRAPMENT DUE TO SEVERE RADIAL ARTERY SPASM DURING CORONARY ANGIOGRAPHY

E.S. Roberto, T. Aung, A. Agarwal
Wright State University Department of Internal Medicine, Dayton, OH, USA

THE ASSESSMENT OF SHORT-TERM EFFECT OF L-CITRULLINE ON ENDOTHELIAL FUNCTION VIA FMD TO NMD RATIO IN KNOWN CAD PATIENTS: A RANDOMIZED, CROSS-OVER CLINICAL TRIAL

M. Safi, M. Parsa Mahjoob, S. Nateghi, I. Khaheshi, M.A. Akbarzadeh,
P. Nabavizadeh Rafsanjani
Cardiovascular Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran

P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY

CORONARY REPERFUSION MANEUVER IN PRIMARY CORONARY INTERVENTION WITH RIGHT CORONARY ARTERY CULPRIT

J.M. Telayna, J.M.(h) Telayna, R.A. Costantini
Hospital Universitario Austral, Bs As, Argentina

CULPRIT IN A CARDIAC ARREST: RIGHT CORONARY ARTERY OR LEFT ANTERIOR DESCENDING

O.E. Egbuche, P. Agasthi, K. Sivakumar, R. Sachdeva
Morehouse School of Medicine and Grady Memorial Hospital, Atlanta, Georgia, USA

COMPLETE HEART BLOCK FOLLOWING SUCCESSFUL PERCUTANEOUS CORONARY INTERVENTION OF LEFT MAIN STENOSIS

A.F. Chaudhry, P. Agasthi, D. Hirsh, R. Sachdeva
Morehouse School of Medicine, Atlanta, GA, USA

AN OVERLOOKED UNDERRATED SYMPTOM OF ACUTE MYOCARDIAL INFARCTION IN WOMEN

A.C. Grigos, R. Seguritan, D.A. Bloomfield
Richmond University Medical Center, Staten Island, NY USA

ROLE OF CONTRAST ENHANCED ECHOCARDIOGRAPHY IN PROVIDING LIFE SAVING DIAGNOSIS AFTER ACUTE STEMI

J. Kiani, I. Meier, J. Jentzer, R. Daly
Mayo Clinic, Rochester, MN, USA



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P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY (cont.)

HYPERACUTE T-WAVES INDICATIVE OF MYOCARDIAL ISCHEMIA: AN ATYPICAL AND UNDER RECOGNIZED MUST-KNOW PATTERN ON ELECTROCARDIOGRAM

K.A. Samtani, O.M. Ali

Wright State University, Dayton, OH, USA

HIGH-SENSITIVITY TROPONIN I (HSTNI) LEVEL IN ACUTE MYOCARDIAL INFARCTION (AMI) PATIENTS AND ITS ASSOCIATION WITH CORONARY ARTERY DISEASE (CAD) RISK FACTORS, AN INVESTIGATIVE STUDY

K.A. Floren, R.E. Ramboyong

The Medical City, Pasig City, Philippines

P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT

QRS COMPLEX FRAGMENTATION AS A PREDICTOR OF MYOCARDIAL SCAR IN PATIENTS WITH TRASTUZAMAB INDUCED CARDIOMYOPATHY

C.J. Hayes, D.J. Pytlewski, D.S. Jassal, C.M. Seifer, W.F. McIntyre

University of Manitoba, Winnipeg, MB, Canada

DETERMINANTS OF CARDIAC DYSFUNCTION AND LEFT VENTRICULAR HYPERTROPHY IN PHEOCHROMOCYTOMA

S. Agrawal, S. Nanda, S.P. Bhatt, S. Longo, J. Pamula, A. Singh, M. Fegley, J. Shirani

St Luke's University Health Network, Bethlehem, PA, USA

DIFFERENTIAL REVERSIBILITY IN HEART FAILURE DUE TO HYPOTHYROIDISM

E.S. Roberto, T. Aung, A. Agarwal, R.J. Colon

Wright State University Department of Internal Medicine, Dayton, OH, USA

ELECTRO-CARDIOVERSION OF NEW ONSET ATRIAL FLUTTER LEADING TO CARDIOGENIC SHOCK

E.A. Christian, S.R. Kadire, R.N. Khouzam

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

DILATED CARDIOMYOPATHY INDUCED BY CHRONIC STARVATION AND SELENIUM DEFICIENCY

S. Dasgupta, A.M. Aly

University of Texas Medical Branch, Galveston, Texas, USA

TRIPLE TROUBLE: SINGLE CORONARY ARTERY AND CORONARY ARTERY DISEASE IN THE SETTING OF HYPERTROPHIC CARDIOMYOPATHY

S. Patnaik, M. Shah, S. Sharma, N. Codolosa, V.M. Figueredo

Albert Einstein Medical Center, Philadelphia, USA



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Poster Hall

P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT (cont.)

LEFT VENTRICULAR OUTFLOW TRACK OBSTRUCTION AND MITRAL VALVE
REGURGITATION IN A PATIENT WITH TAKOTSUBO CARDIOMYOPATHY

Y. Wu, W.Q. Fan, L. Chachula, G. Costacurta, R. Rohatgi, F. Elmi
Easton Hospital, Drexel University, Pennsylvania, USA

PHASIC COMPRESSION OF LEFT CIRCUMFLEX CORONARY ARTERY DURING ATRIAL
SYSTOLE

E.S. Roberto, A. Agarwal, T. Aung
Wright State University Department of Internal Medicine, Dayton, OH, USA

CATECHOLAMINE INDUCED CARDIOMYOPATHY

J.Y. Park, D. Snipelisky, S. Kapa
Mayo Clinic, Rochester, MN, USA

P305 ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE

DELINEATING THE ASSOCIATION OF MITRAL VALVE PROLAPSE AND SUDDEN
CARDIAC DEATH

A. Rafael, **E.I. Starobinska**, P. Bartko, R.A. Levine, S.A. Lubitz, D.J. Milan
University of Arizona College of Medicine- Phoenix, Phoenix, AZ, USA

POST-TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) AND AV BLOCK –
PACING OUTCOMES

A. Mourad, A.F. Chu
Rhode Island Hospital, Brown University, Rhode Island, USA

CORONARY ATHEROSCLEROSIS IN NON-CARDIAC SUDDEN UNEXPECTED DEATHS: AN
AUTOPSY STUDY OF ASIAN POPULATION

W. Vutthikraivit, P. Putthapiban, W. Sukhumthamarat, K. Jongyotha, P. Rajsirisongsri,
T. Waungpaibulkij, J. Jutakeo, C. Rattanaurangrit, P. Piancharoen, S. Srisont
Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

POSTMORTEM ECHOCARDIOGRAPHY AT EMERGENCY DEPARTMENT

S.B. Chon, S.D. Shin, Y. Cho, H.S. Jeong, J.H. Choi, K.S. Han, T.H. Cho, S.H. Na
Seoul National University Hospital, Seoul, Republic of Korea

WEARABLE CARDIOVERTER-DEFIBRILLATOR –WHERE ARE THE CLINICAL GUIDELINES?

M. Agarwal, V. Botta, J. Gardner, R. Khouzam
University of Tennessee Health Science Center, Memphis, Tennessee, USA



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

COMPLICATIONS RELATED TO CARDIAC RHYTHM MANAGEMENT DEVICES (CRMD'S) THERAPY AND THEIR FINANCIAL IMPLICATION: A PROSPECTIVE SINGLE-CENTER TWO YEARS SURVEY

J.A. Fanourgiakis, E.N. Simantirakis, N. Maniadakis, **E.M Kanoupakis**, S.J. Chrysostomakis, G. Kourlaba, G.I. Chlouverakis, S.E. Papadakis, M. Vernardos, P.E. Vardas
Heraklion University Hospital, Crete, Greece

PATIENTS FAVOR SHAPE OF MEDTRONIC ICD, BATTERY LIFE OFTEN MORE IMPORTANT

J. Kneller, L. Bird
Yakima Heart Center, Yakima, WA, USA

PACEMAKER COMPLICATION DOCUMENTATION AND THE EFFECT OF A CHANGE IN ANTIBIOTIC GUIDELINES

J. Basu, L. West, S. Firoozan
Royal Berkshire Hospital, Reading, UK

VENTRICULAR TACHYCARDIA STORM ON THE SAME DAY OF ICD IMPLANTATION FOR PRIMARY PREVENTION. WHAT HAPPENED?

S. Edla, J. Chandrasekaran, S. Neupane, A. Shakir
St John Hospital and Medical Center, Detroit, MI, USA



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Hall A

PL11 Plenary Session

TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND

USE OF THE NONIONIC BLOCK COPOLYMER, VEPOLOXAMER (P-188) FOR THE TREATMENT OF ADVANCED HEART FAILURE (Invited Lecture)

H.N. Sabbah, R.C. Gupta, V. Sing-Gupta, M. Emanuele
Henry Ford Hospital, Detroit, MI, USA

TOTAL ARTIFICIAL HEART (TAH): SURVIVAL OUTCOMES, RISK FACTORS, ADVERSE EVENTS IN INTERMACS (Invited Lecture)

F. Arabia, I. Gregoric, V. Kasirajan, J. D Moriguchi, D. C Naftel, S. L Myers, J. K Kirklin
Cedars-Sinai Medical Center, Los Angeles, CA, USA

THE BENEFITS AND RISKS OF LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION; WHERE IS THE POINT OF CLINICAL EQUIPOISE? (Invited Lecture)

M.R. Johnson
University of Wisconsin, Madison, WI, USA

OPTIONS FOR REMOTE PATIENT MONITORING IN THE LVAD POPULATION (Invited Lecture)

S.P. Bhavnani, A. Srivastava, **D. Meyer**, R. Kuo, J. Nowaczyk, L. Wolman, S. Baradaran, T. Heywood
Methodist Health System, Dallas, Texas, USA

TRANSITION TO STAGE D HEART FAILURE AMONG STABLE OUTPATIENTS WITH SYSTOLIC HEART FAILURE (Invited Lecture)

A.P. Kalogeropoulos, A.A. McCue, J.S. Hedley, A. Samman-Tahhan, J.B. Bjork, V.V. Georgiopoulou, J.D. Vega, A.L. Smith
Emory University, Atlanta, GA, USA

MYOCARDIAL RECOVERY DURING VENTRICULAR UNLOADING IN PATIENTS WITH CHRONIC CARDIOMYOPATHY: ASSESSMENT OF CARDIAC IMPROVEMENT AND WEANING FROM VENTRICULAR ASSIST DEVICES (Invited Lecture)

M. Dandel
Deutsches Herzzentrum Berlin, Berlin, Germany

TREATING FLUID OVERLOAD WITH FLUID; ROLE OF PERITONEAL DIALYSIS IN MANAGEMENT OF HEART FAILURE (Invited Lecture)

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

ACELLULAR BIOLOGICS FOR CARDIAC REGENERATION (Invited Lecture)

A. Behfar
Mayo Clinic, Rochester, MN, USA

WHOLE HEART REGENERATION WITH HUMAN IPS CELL-DERIVED HEART PROGENITORS (Invited Lecture)

B. Lin, T-Y Lu, J. Kim, M. Sullivan, K. Tobita, G. Salama, **L. Yang**
University of Pittsburgh, Pittsburgh, PA, USA



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Hall A

PL11 Plenary Session
TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND (cont.)

NEWER IMPLANTABLE DEVICES IN HEART FAILURE (Invited Lecture)

K. Srivathsan

Mayo Clinic, Phoenix, AZ, USA

14:00 – 16:15

Hall B

PL12 Plenary Session
MULTIMODALITY IMAGING FOR EVALUATION OF CARDIOVASCULAR DISEASE

ROLE OF ECHOCARDIOGRAPHY IN EPIDEMIOLOGIC STUDIES AND CLINICAL TRIALS:
AN HISTORICAL PERSPECTIVE (Invited Lecture)

J.M. Gardin

Hackensack University Medical Center, Rutgers New Jersey Medical School, NJ, USA

THE ROLE OF ECHOCARDIOGRAPHY IN THE MANAGEMENT OF PATIENTS UNDERGOING
VENTRICULAR ASSIST DEVICE IMPLANTATION AND/OR TRANSPLANT SURGERY
(Invited Lecture)

T.S. Kato

Juntendo University School of Medicine, Bunkyo-ku, Tokyo, Japan

CARDIAC IMAGING FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS
WITH HYPERTENSION (Invited Lecture)

A. Elhendy

Marshfield Clinic, Marshfield, WI, USA

MULTIMODALITY IMAGING IN CARDIOMYOPATHY (Invited Lecture)

J. Shirani

St. Luke's University Health Network, Bethlehem, PA, USA

ECHOCARDIOGRAPHIC QUANTITATION OF AORTIC REGURGITATION (Invited Lecture)

H. Chaliki

Mayo Clinic College of Medicine, Mayo Clinic, Scottsdale, AZ, USA

CURRENT STATUS OF INTRAVASCULAR IMAGING (Invited Lecture)

S.K.G. Koshy, L.K. George

Regional One Health - University of Tennessee Health Sciences Center, Memphis TN, USA

THE USE OF POINT OF CARE ULTRASOUND TO GUIDE MANAGEMENT IN HEART
FAILURE (Invited Lecture)

I. Kedan, R. Khandwalla, R. Zimmer, K. Birkeland

Cedars Sinai Heart Institute, Beverly Hills, CA, USA



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Hall B

PL12 Plenary Session
MULTIMODALITY IMAGING FOR EVALUATION OF CARDIOVASCULAR DISEASE

POSITIVE STRESS ECHO AND NORMAL CORONARY ARTERIES: HOW OFTEN AND WHY?
(Invited Lecture)

M. Prokudina, E. Bobrova, E. Shloido, I. Konstantinov, P. Mochalov
Almazov North-West Medical Research Center, St-Petersburg, Russia

INTRAVASCULAR OPTICAL IMAGING TECHNOLOGY FOR DETECTION OF HIGH-RISK
PLAQUE (Invited Lecture)

H. Yoo
Hanyang University, Seoul, South Korea

14:00 – 16:45

Hall C

S30 RISK STRATIFICATION AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE

A NOVEL MEASURE OF CARDIOVASCULAR RISK IN COPD

A. Albarrati, N.S. Gale, M.M. Munnery, J.R. Cockcroft, D.S. Shale
King Saud University, Riyadh, KSA, Cardiff University, Cardiff, UK

PREDICTING INCIDENT HEART FAILURE IN HYPERTENSIVE PATIENTS: THE ANBP2
STUDY

B.W. Sahle, A.J. Owen, L.M.H. Wing, M.R. Nelson, G.L. Jennings, C.M. Reid
Monash University, Melbourne, Australia

ASTHMA ASSOCIATES WITH HUMAN ABDOMINAL AORTIC ANEURYSM AND RUPTURE

C.L. Liu, H. Wemmelund, J. Lindholt, B. Levy, P. Libby, G.P. Shi
Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA

FAILING TO MEET HEART FAILURE PATIENTS' BASIC NUTRITIONAL NEEDS-WHO'S
LISTENING?

A. Kodra, J. Jacobson, R. Graham
Lenox Hill Hospital, New York, NY, USA

THE RUMC INDEX: PREDICTING MORTALITY USING A COMBINED EWS AND NLR
SCORING SYSTEMS

A.J. Park, X. Wang, V. Arulthasan, D.A. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA

DO HEART FAILURE PATIENTS BENEFIT FROM NATRIURETIC PEPTIDES GUIDED
THERAPY? A SYSTEMIC REVIEW AND UPDATED META-ANALYSIS

S.M. Muddassir, A. Ishfaq, M.A. Ismail, **M.F. Ishfaq**
Oak Hill Hospital, FL, USA



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S30 RISK STRATIFICATION AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE

TRIAGE AFTER EXERCISE TREADMILL TEST (TEXT) STUDY: A SINGLE CENTER EXPERIENCE WITHIN AN INTEGRATED HEALTHCARE DELIVERY SYSTEM

A. Krishnaswami, W. Ho, W. Kwan, C. Tsou, O. Anaya, S.F. Jiang, J.J. Jang, W. Praserttham
Division of Cardiology, Kaiser Permanente, San Jose, CA, USA

GENERALIZED ANXIETY DISORDER IN PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY

W-C. Tzeng
National Defense Medical Center, Taipei, Taiwan

COMPARISON BETWEEN RISK FACTORS AND ANGIOGRAPHIC CHARACTERIZATION OF YOUNG VERSUS OLD PATIENTS WITH STEMI

S.H. Majidi, S. Yazdankhah, **M.H. Adel**, R. Hajizadeh, M. Syeidian, N. Akiash, M. Noorizadeh
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan, Iran

HEARTFIT: PRELIMINARY RESULTS OF A PILOT CARDIAC OUTPATIENT SELF-MANAGEMENT PROGRAMME

J. Choy, M. Tay
Tan Tock Seng Hospital, Singapore

DEVELOPMENT OF A HOLISTIC MODEL TO PREVENT AND REVERSE CORONARY ARTERY DISEASE: SAAOL (SCIENCE AND ART OF LIVING) SAFETY CIRCLE

B. Chhajer
SAAOL Heart Center, New Delhi, India

14:00 – 17:15

Hall D

S31 MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH

HIGH CONCENTRATIONS OF SIMVASTATIN ARE ASSOCIATED WITH LOW LEVELS OF ENDOCAN AND INCREASED CORONARY ARTERY ENDOTHELIAL CELL DEATH IN VITRO

E. Elsheikh, M. Otgonsuren, E. Younossi, B. Raybuck, Z.M. Younossi
Center for Liver Diseases, Inova Fairfax Hospital, Falls Church, VA, USA

DEFICIENCY OF FILAMIN A IN ENDOTHELIAL CELLS IMPAIRS LEFT VENTRICULAR REMODELING AFTER MYOCARDIAL INFARCTION

S. Bandaru, J. Grönros, B. Redfors, Ç. Çil, D. Pazooki, R. Salimi, E. Larsson, A.X. Zhou, E. Ömerovic, **L.M. Akyürek**
University of Gothenburg, Sweden,

A TRANSGENIC MOUSE MODEL OF ATHEROSCLEROTIC PLAQUE CALCIFICATION

F. Romanelli, A.M. Corbo, A.Y. Savinov, J.L. Millan, **O.V. Savinova**
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA



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S31 MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH (cont.)

THYROID HORMONE INDUCES VASCULAR RELAXATION THROUGH VASP PHOSPHORYLATION AT SERINE 239: A POTENTIAL THERAPEUTIC APPROACH TO TREAT DIABETIC VASCULAR DYSFUNCTION

M.A. Carrillo-Sepulveda, S. Samuel, A. Martin Gerdes
New York Institute of Technology, Old Westbury, NY, USA

SIRT3 ACTIVATOR HONOKIOL SHOWS ENHANCED CARDIOPROTECTION WHEN COMBINED WITH NICOTINAMIDE RIBOSIDE

M.P. Gupta, V.B. Pillai
University of Chicago, Chicago, IL, USA

C5L2 RECEPTOR, A NEW PLAYER IN ARRHYTHMOGENIC CARDIOMYOPATHY

N. Kappa, I. Kostavasili, A. Varela, E. Lekka, C. Tzimas, D. Sanoudou, C. Davos, Y. Capetanaki, **M. Mavroidis**
Biomedical Research Foundation, Academy of Athens, Athens, Greece

INTRALIPID PROTECTS THE HEART AGAINST ISCHEMIA/REPERFUSION INJURY BY REDUCING CARDIOMYOCYTE APOPTOSIS VIA MIR122 INDUCTION IN LATE PREGNANCY

J. Li, **N. Motayagheni**, N. Barakati, M. Eghbali
UCLA, Los Angeles, CA, USA

THE ACTION OF NUTRACEUTICALS ON KEY MACROPHAGE PROCESSES ASSOCIATED WITH ATHEROSCLEROSIS

T.S. Davies, H. Gallagher, J.W.E. Moss, F.B. Jaffar, W. Al-Ahmadi, F. Harris, **D.P. Ramji**
Cardiff University, Cardiff, UK

HEME OXYGENASE-1 DEFICIENCY EXACERBATES ABDOMINAL AORTIC ANEURYSM

Y.C. Ho, M.L. Wu, **S.F. Yet**
National Health Research Institutes, Zhunan, Taiwan

PROTEOMIC PROFILING OF THE AGED MDX-4CV HEART MODEL OF DYSTROPHINOPATHY-RELATED CARDIOMYOPATHY

S. Murphy, P. Dowling, **K. Ohlendieck**
Maynooth University, Maynooth, Co. Kildare, Ireland

SALIVA: LINKING ORAL HEALTH WITH HEART FAILURE

X. Zhang, B.L. Schulz, J.J. Atherton, K. Kostner, G. Dimeski, C. Punyadeera
Queensland University of Technology, Brisbane, Queensland, Australia

ANTIPLATELET DRUG RESISTANCE IN ASIAN POPULATION

S. Ambalath, G.V. Vijayaraghavan
Kims Hospital Trivandrum, Trivandrum, Kerala, India

POLARIZED SHG FOR STUDYING HYPERTROPHIED HEART TISSUE

Z. Wang, C. Yuan, Y. Shao, T. Ye, T.K. Borg, **B.Z. Gao**
Clemson University, Clemson, SC, USA



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Hall B

PL13 Plenary Session

SYSTEMIC AND PULMONARY ARTERY HYPERTENSION: EXPENDING THERAPEUTIC OPTIONS

2016 UPDATE ON TREATMENT OF HYPERTENSION (Invited Lecture)

W.S. Aronow

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

NEW IDEAS ON HYPERTENSION TREATMENT (Invited Lecture)

C. Rosendorff

Icahn School of Medicine at Mount Sinai, New York, NY, USA

NITRIC OXIDE, GI PROTEINS AND REGULATION OF BLOOD PRESSURE (Invited Lecture)

E. Hossain, O. Sarkar, Y. Li, **M.B. Anand-Srivastava**

University of Montreal, Montreal, Quebec, Canada

HYPERTENSION UPDATE: *QUO VADIMUS?* (Invited Lecture)

Z.S. Galis

Vascular Biology and Hypertension, National Heart Lung and Blood Institute, Bethesda, MD, USA

CLINICAL IMPLICATIONS OF CURRENT RECOMMENDATIONS OF ABPM AS REQUIREMENT FOR DIAGNOSIS OF HYPERTENSION (Invited Lecture)

R.C. Hermida, D.E. Ayala

University of Vigo, Vigo, Spain

THERAPEUTIC, PREVENTIVE AND PROGNOSTIC ASPECTS OF EXERCISE IN HYPERTENSION (Invited Lecture)

P. Kokkinos

Veterans Affairs Medical Center, Washington, DC, USA and Georgetown University School of Medicine, Washington, DC, USA

TOWARDS PERSONALIZED MEDICINE FOR VASCULAR RISK REDUCTION: THE RIGHT DRUG AT THE RIGHT DOSE AT THE RIGHT TIME (Invited Lecture)

D.E. Ayala, R.C. Hermida

University of Vigo, Vigo, Spain

EXERCISE RELATED HYPERTENSION (ERH) MAY NOT BE A BENIGN PHENOMENON (Invited Lecture)

Y. Charuzi, J.M. Mirocha

Cedars Sinai Medical Center, LA, USA

UPDATE ON EFFECT OF ISOLATED SYSTOLIC VERSUS SYSTOLIC-DIASTOLIC HYPERTENSION IN OLDER ADULTS

A. Tsimploulis, S. Weerakoon, A. Ahmed

Georgetown University/Washington Hospital Center, USA



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PL13 Plenary Session

SYSTEMIC AND PULMONARY ARTERY HYPERTENSION: EXPENDING THERAPEUTIC OPTIONS (cont.)

GENOME-WIDE ASSOCIATION STUDY ON SALTINESS AND ASSOCIATION OF TOP-RANKING SNPS WITH BLOOD PRESSURE

D. Corella, R. Fernandez-Carrion, R. Barragan-Arnal, A. Rodrigues-Cruz, I. Gonzalez-Monje, L. Quiles, J.V. Sorli, J.M. Ordovas, O. Coltell
CiberOBN, Madrid, Spain

ASSOCIATION BETWEEN MULTIPLE MODIFIABLE RISK FACTORS OF CARDIOVASCULAR DISEASE AND HYPERTENSION IN RURAL POPULATION IN THE UNITED STATES

A.E. Alamin, H.M. Mamudu, T. Paul, L Wang, S.P. Veeranki, H Panchal, A. Alamian, P. Subedi, M. Budoff
East Tennessee State University, Johnson City, TN, USA

16:45 – 19:15

Hall C

S32 ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY

ICD-FORUM - WEB-BASED PSYCHOSOCIAL SUPPORT FOR PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS

S.M. Schulz, R. Zniva, O. Ritter, C. Wacker, M. Jack, G. Groschup, T. Deneke, P. Pauli
Comprehensive Heart Failure Center - Wuerzburg, University Hospital Wuerzburg, Germany

THE SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR: FIRST SINGLE-CENTER EXPERIENCE WITH OTHER CARDIAC IMPLANTABLE ELECTRONIC DEVICES

J. Kuschyk, B. Rudic, S. Roeger, E. Tueluemen, V. Liebe, M. Borggreffe
University Medical Center Mannheim, DZHK (German Centre for Cardiovascular Research First Medical Department,) partner site Mannheim, Germany,

THE INCIDENCE OF TORSADES DE POINTES AFTER PROPOFOL EXPOSURE

V. Abrich, H. Ramakrishna, A. Mehta, F. Mookadam, K. Srivathsan
Mayo Clinic Arizona, Phoenix, AZ, USA

IS THE AVR SIGN A PREDICTOR FOR VENTRICULAR ARRHYTHMIA IN PATIENTS WITH BRUGADA SYNDROME?

A.A.Y. Ragab, L. van de Does, E.A.H. Lanfers, C.A. Houck, N.M.S. de Groot
Erasmus University Medical Center, Rotterdam, The Netherlands

INTRA-HIS BLOCK RARELY PROGRESS TO PACEMAKER DEPENDENCY: A CASE SERIES

L. Ragupathi, **D. Johnson**, B.B. Pavri
Thomas Jefferson University Hospital, Philadelphia, PA, USA



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S32 ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY (cont.)

LONG-TERM COMPLICATIONS OF EPICARDIAL PACING WIRES ABANDONED FOLLOWING CARDIAC SURGERY

A. Singh, A. Shi, H. Vefali, S. Agrawal, A. Sinha, J. Shirani
St Lukes University Hospital, Bethlehem, PA, USA

SAFETY AND EFFICACY OF TRANSVENOUS EXTRACTION OF PACEMAKER AND CARDIOVERTER-DEFIBRILLATOR LEADS

H. Vefali, M. Durkin, A. Singh, S. Agrawal, S. Nanda, D. Traub, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

DEVICE IMPLANTATION CONUNDRUM: OPTIMAL MANAGEMENT OF A PATIENT WITH MIXED PHENOTYPE CHANNELOPATHY

H. Latt, J. Evans
University of Nevada, Reno, Nevada, USA

INAPPROPRIATE SHOCKS DUE TO CHATTERING OF THE LEADS FROM AN INVESTIGATIONAL DEVICE FOR CARDIAC CONTRACTILITY MODULATION AND A DEFIBRILLATION LEAD

T.T. Aung, A. Wase, J. Pollock
Wright State University, Dayton, OH, USA

A COMPARISON OF ACTIVE AND PASSIVE LEAD IMPLANTATION: IS OPERATING EXPERIENCE A FACTOR?

J. Basu, C. Wrigley, R. Soar, W. Orr
Royal Berkshire Hospital, Reading, UK

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Hall D

S33 ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE

KAEMPFEROL PROTECTS AGAINST MYOCARDIAL ISCHEMIA-REPERFUSION INJURY IN RATS BY REGULATION OF MAPK/NFKAPPAB PATHWAYS

K. Suchal, S. Malik, R.K. Malhotra, J. Bhatia, D.S. Arya
AIIMS, New Delhi, India

INCIDENCE AND RISK FACTORS FOR AKI PRE-CARDIAC CATHETERIZATION IN PATIENTS PRESENTING WITH STEMI

M. Ashukem, J. Cohen, J. Diamond, J. Badlani, M. Calfa, C. Mendoza
University of Miami/Jackson Memorial Hospital, Miami, FL, USA

CORONARY COLLATERALS ARE NOT CARDIOPROTECTIVE IN MULTIETHNIC STEMI PATIENTS AFTER REVASCULARIZATION

A. Avezbadalov, A. Jaiswal, E.N. Moustakakis, C.H. Park, A.J. Buda
New York Presbyterian Queens, Weill Cornell Medical College, New York, NY, USA

A NOVEL SCORE TO PREDICT ACUTE KIDNEY INJURY IN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROME

A. Maqsood, K. Abusaada, R. Sabzwari, C. Yuan, K. Butt
Florida Hospital, Orlando, FL, USA

EFFECT OF CYCLOSPORINE ON HEART FAILURE READMISSION POST ACUTE ST-ELEVATION MYOCARDIAL INFARCTION: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

A.N. Alrifai, Sh. Al Halabi, S. Hakimian, J. Choi, F. Abdulmalak, R. Chait
University of Miami Miller School of Medicine, Regional Medical Campus, Atlantis, FL, USA

THE HIGH-DEGREE ATRIOVENTRICULAR BLOCK REMAINS A SEVERE PROGNOSTIC MARKER IN THE PRIMARY PERCUTANEOUS CORONARY INTERVENTION ERA

P. Dobes
Glenfield Hospital Leicester, University Hospitals of Leicester NHS Trust, Leicester, UK

IMAGING DEBAKEY'S DEBACLE: AN UNUSUAL CULPRIT FOR ST ELEVATION

A. Alsaad, O. Odunukan
Mayo Clinic, Jacksonville, FL, USA

RELATION BETWEEN THE LEVEL OF RED BLOOD CELL DISTRIBUTION AND ELECTROCARDIOGRAM CHANGES AND ECHOCARDIOGRAPHIC WALL MOTION SCORE INDEX IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION

M. Rezazadehsaatlou
Tabriz University of Medical Sciences, Tabriz, Eastern Azerbaijan, Iran

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

S. Nasiripour, B. Oveiji, M. Mojtahedzadeh, G. Vahabzadeh, P. Najafizadeh, M. Farasatinasab
Iran University of Medical Sciences, Tehran, Iran



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ANNUAL SCIENTIFIC SESSIONS 2016
21st WORLD CONGRESS ON
HEART DISEASE

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

SUNDAY, JULY 31, 2016

16:45 – 19:45

Hall D

S33 ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE (cont.)

SEVERE CHEST PAIN MIMICKING ACUTE CORONARY SYNDROME IN A DIABETIC PATIENT WITH MYASTHENIA GRAVIS

A. Chiriac, S.V. Pislaru, P.A. Pellikka
Mayo Clinic, Rochester, MN, USA

ACUTE LEFT MAIN THROMBOSIS DURING EXERCISE TESTING

A. Quddus, A. Smith, A. Singh, Y. Manda, P. Puleo, J. Shirani
Department of Cardiology, St. Luke's University Health Network, Bethlehem, PA, USA

IS THERE ANY CORRELATION BETWEEN PLATELET INDICES WITH EXTENT OF CORONARY ARTERY INVOLVEMENT IN ISCHEMIC HEART DISEASES?

M.H. Adel, M. Seyedian, M. Jafarsalehi, M. Nourizadeh, S. Bagheri, M. Nourizadeh, P. Nabavizadeh Rafsanjani, **A. Shams Akhtari**
Ahwaz Jundishapur University of Medical Sciences

CORRELATION BETWEEN ELECTROCARDIOGRAPHIC CHANGES AND CORONARY ANGIOGRAPHY FINDINGS IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION AND SINGLE-VESSEL DISEASE

A. Sanaani, W.S. Aronow, R. Paudel, H. Cooper
Westchester Medical Ctr/New York Medical College, Valhalla, NY, USA

13:30 – 18:30

Poster Hall

P401 INTERVENTIONAL CARDIOLOGY FOR HEART VALVE DISEASE

TRANSCATHETER AORTIC VALVE IN VALVE REPLACEMENT: EVALUATION OF MEAN AORTIC ECHOGRAPHIC GRADIENTS

R. Radjef, D.D. Wang, B. Fuller, A. Taylor, J. Wyman, J. Borgi, G. Paone, M. Eng, A. Greenbaum, W.W. O'Neill
Henry Ford Hospital, Detroit, MI, USA

FIRST YEAR EXPERIENCE OF A NEW TAVR SITE: WHAT IS THE DURATION OF THE TAVR LEARNING CURVE?

G.A Rogers, E. Kaluski, S. Sattur, F. Reitknecht, D. Sporn
Guthrie Health Systems, Sayre, PA, USA

REPEAT PERCUTANEOUS BALLOON MITRAL VALVOTOMY VS. MITRAL VALVE REPLACEMENT IN PATIENTS WITH RESTENOSIS AFTER PREVIOUS BALLOON MITRAL VALVOTOMY AND UNFAVORABLE VALVE CHARACTERISTICS

N. Aslanabadi, A. Golmohammadi, B. Sohrabi, B. Kazemi
Cardiovascular Research Center, Tabriz University of Medical Sciences, Tabriz, Iran



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P401 INTERVENTIONAL CARDIOLOGY FOR HEART VALVE DISEASE (cont.)

BALLON TRICUSPID VALVULOTOMY IN A DEGENERATED TRICUSPID VALVE PROSTHESIS: A RARE ENTITY

A.A. Khan, A.U. Mahajan, P.J. Nathani
LTMMC & GH, Sion, Mumbai, Maharashtra, India

IMPACT OF ADVANCES IN TAVR TECHNOLOGY ON PROCEDURAL VOLUME

H. El-Haddad, R. Kafa, M. Davis, A. Vargas, B. Al Khiami, Y. Bayissa, M. Alqasrawi, C. Ward, F. Zahr
University of Iowa Hospitals and Clinics, Iowa City, IA, USA

EFFECT OF DAY OF PROCEDURE ON OUTCOMES OF TRANSCATHETER AORTIC VALVE IMPLANTATION IN THE UNITED STATES: ANALYSIS FROM LARGE NATIONAL REGISTRY

S.V. Patel, P. Patel, M. Patel, A. Rajabalan, **A. Saggu**, T. Singh, A. Badheka
Western Reserve Health Education/NEOMED, Youngstown, OH, USA

PERCUTANEOUS CLOSURE OF A MITRAL PARAVALVULAR LEAK ANTEGRADELY WITHOUT MAKING A FEMORO-FEMORAL LOOP IN A PATIENT WITH BOTH MITRAL AND AORTIC VALVE REPLACEMENT

C. Barcin, O. Baysan, M. Celik, U.C. Yuksel, E. Yildirim, H.K. Kabul, B. Bugan
Gulhane Military Medical Academy, Ankara, Turkey

MITRAL REGURGITATION AFTER PERCUTANEOUS BALLOON MITRAL VALVOTOMY IN PATIENTS WITH RHEUMATIC MITRAL STENOSIS: A SINGLE-CENTER STUDY

N. Aslanabadi, M. Toufan, R. Salehi, A. Alizadehasl, S. Ghaffari, B. Sohrabi, A. Separham, A. Manafi, M.B. Mehdizadeh, A. Habibzadeh
Cardiovascular Research Center, Tabriz University of Medical Sciences, Tabriz, Iran



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P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES

A NATIONWIDE FAMILY STUDY OF VENOUS THROMBOEMBOLISM AND RISK OF ARTERIAL VASCULAR DISEASE

X. Li, B. Zoller, J. Sundquist, K. Sundquist
Lund University, Sweden

ELECTROCARDIOGRAPHY CHANGES IN ACUTE AORTIC DISSECTION- ASSOCIATION WITH TROPONIN LEAK, CORONARY ANATOMY AND PROGNOSIS

L. Pourafkari, A. Tajlil, S. Ghaffari, M. Chavoshi, K. Kolahdouzan, R. Parvizi, R. Parizad,
N.D. Nader
University at Buffalo, Buffalo, NY, USA

COMPARISON AORTIC DISSECTION DETECTION RISK SCORE AND D-DIMER IN DIAGNOSIS OF ACUTE AORTIC DISSECTION

S. Kodera, J. Kanda
Asahi General Hospital, Asahi, Chiba, Japan

CATARACT IS ASSOCIATED WITH INCREASED PERIPHERAL ARTERY OCCLUSIVE DISEASE RISK: A 12-YEAR NATIONWIDE COHORT STUDY

W.S. Hu
China Medical University, Taichung, Taiwan, China Medical University Hospital, Taichung, Taiwan

TAKAYASU ARTERITIS PRESENTING WITH DIFFUSE AORTIC ULCERS

K. Anouti, A. Khaji, M. Maalouf, K. Hawthorne
Lankenau Medical Center, Wynnewood, PA, USA

EFFECT OF ANICOAGULANT ON DEEP VENOUS THROMBOSIS

T. Tomaru, S. Kodera, T. Matsubara, E. Matsubara, T. Kon, J. Suzuki, T. Tsutsumi, T. Nakajima
Toho University Sakura Medical Center, Sakura, Chiba, Japan

PROGNOSIS OF PATIENTS WITH MILD TO MODERATE CAROTID SCLEROSIS

T. Matsubara, S. Kodera, E. Matsubara, T. Kurosu, J. Suzuki, T. Kon, T. Tomaru
Tokyo University Hospital, Tokyo, Japan

AGGRESSION, IRE, HOSTILITY AND CAROTID THICKNESS MEASURED IN ADOLESCENTS

V. Romero, E. Silva, J. Villasmil, G. Bermudez, M. Bracho, F. Madueño
Instituto de Investigaciones de Enfermedades Cardiovasculares de la Universidad del Zulia,
Maracaibo, Estado Zulia, Venezuela

PRESENCE OF AORTIC PLAQUE MAY PREDICT CORONARY ARTERY DISEASE

T. Tomaru, S. Kodera, E. Matsubara, T. Matsubara, J. Suzuki, T. Tabata, T. Kon, T. Tsutsumi
Toho University Sakura Medical Center, Sakura, Chiba, Japan



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P403 ATRIAL FIBRILLATION AND SUPRAVENTRICULAR ARRHYTHMIA

ELECTROCAUTERY INDUCED ATRIAL FIBRILLATION - WHAT IS THE MECHANISM?

N.V.K. Pothineni, J. Payne, S. Kovelamudi, A. Shanbhag, P. Gurram, A. Deshmukh, H. Paydak
University of Arkansas for Medical Sciences, Little Rock, AR; USA

LOW ENERGY CARDIOVERSION FOR ATRIAL FLUTTER

V.O. Obi, N. Isber, D. Bloomfield, M. Arulthasan
Richmond University Medical Center, Staten Island, New York NY, USA

INVESTIGATION OF P-WAVE DISPERSION IN ADULT PATIENTS WITH BETA-THALASSAEMIA MAJOR

S. Amirghofran, A. Aslani, M. Zakerinia
Shiraz University of Medical Sciences, Shiraz, Iran

NEW-ONSET ATRIAL FIBRILLATION ASSOCIATED WITH CYCLOPHOSPHAMIDE-INDUCED CARDIOTOXICITY: CASE REPORT

A.C. Guta, A.M. Daraban, A. Burducea, D. Bartos
Bucharest Emergency Clinical Hospital- Foreasca, Romania

EFFECT OF DABIGATRAN ON PLATELET REACTIVITY-A PROOF OF CONCEPT STUDY

S.R. Devabhaktuni, **A. Annapureddy**, A. Namazi, A. Malik, L. Dizon, C. Miranda, A. Gururaj, C. Ahsan
University of Nevada School of Medicine, Las Vegas, NV, USA

P404 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT

THE EFFECT OF FLECAINIDE AND RANOLAZINE ON CALCIUM TRANSIENTS IN RAT CARDIOMYOCYTES

S. Chawla, A. Alvarez-Laviada, K. Macleod
Imperial University, Hammersmith. UK, University of Southampton, Southampton, UK

SINGLE-BLIND STUDY OF Q-SWEAT IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)

M.M. Ahsan, C. Ashangari, A. Suleman
The Heartbeat Clinic, Dallas, Texas, USA

COEXISTENCE OF BRUGADA SYNDROME AND ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY IN A PEDIATRIC PATIENT

A.A. Ragab, L. van der Does, E.A. Lanfers, C.A. Houck, N.M. de Groot
Erasmus MC, Rotterdam, The Netherlands

EFFICACY OF CLASS IC VERSUS CLASS III ANTIARRHYTHMICS AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER

A. Avezbadalov, S. Pollack, A.F. Osman
The Heart Center of Excellence, NOVA Southeastern University, Fort Lauderdale, FL, USA



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P404 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT (cont.)

ELECTROCARDIOGRAPHIC BRUGADA PATTERN UNMASKED BY CORONARY
VASOSPASM IN A COCAINE USER

Y. Manda, S. Nanda, **A. Singh**, S. Agrawal, W. Samuel Towne, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

WIDE COMPLEX TACHYCARDIA WITH PROPAFENONE USE - EXPLAIN IT TO MY HEART

S. Neupane, S. Edla, S. Pandey, A. Shakir
St John Hospital and Medical Center, Detroit, MI, USA

TYPE 1 BRUGADA PATTERN ELECTROCARDIOGRAM DUE TO SUPRA-THERAPEUTIC
PHENYTOIN LEVEL

T. Swe, B. Bhattarai, A. Dufresne
Interfaith Medical Center, New York, NY, USA

IVABRADINE'S POTENT EFFECT ON THE AV NODE: A CASE OF 2ND DEGREE HEART
BLOCK

B. Louka, V. Abrich, B. Yeneneh, K. Srivathsan
Mayo Clinic, Arizona, USA

BRUGADA PATTERN ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH LITHIUM
TOXICITY AND FEVER

N. Mehta, A. Kanthala, M. Schinlever
Rochester Regional Health, Unity Hospital, Rochester, NY, USA

P405 CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT

USE OF MECHANICAL CIRCULATORY SUPPORT IN OCTOGENARIANS FOR
PERCUTANEOUS CORONARY INTERVENTIONS

Y.R. Manda, S. Agrawal, S. Bernalgi, A. Quddus, H. Vefali, A. Singh, A. Sinha,
A. Abichandani, J. Shirani, P. Puleo
St Luke's University Health Network, Bethlehem, PA, USA

DESTINATION THERAPY BY CHOICE: PATIENTS' PERSPECTIVES ON WHY VENTRICULAR
ASSIST DEVICE THERAPY MAY BE PREFERABLE TO CARDIAC TRANSPLANTATION

L.A. Wilhelms, J.S. Blumenthal-Barby, E.D. Delgado, K.M. Kostick, J.D. Estep, C.R. Bruce
Baylor College of Medicine, Houston, TX, USA

LACK OF POST LVAD IMPLANTATION WEIGHT LOSS ASSOCIATED IS WITH VOLUME
OVERLOAD DURING INTERMEDIATE FOLLOW UP

F. Fahad, D. Belov, M.A. Norton, E. Philbin, M. Tallman, S. Miller, M. Torosoff
Albany Medical Center, Albany, NY, USA

THE HIBERNATING LIMA: A CASE REPORT DESCRIBING IMPROVEMENT IN LEFT
INTERNAL MAMMARY ARTERY GRAFT FLOW AFTER PROGRESSION OF NATIVE VESSEL
CORONARY ARTERY DISEASE

S. Desai, B. Louka, F.D. Fortuin
Mayo Clinic Arizona, Department of Cardiovascular Disease, Scottsdale, AZ, USA



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P405 CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT (cont.)

THROMBOSIS IN THE HEARTWARE PUMP: CLINICAL PRESENTATION AND MANAGEMENT DECISIONS

M.B. Jayanna, C. Inampudi, R. Kafa, J.L. Franzwa, V. Cotalan, J.K. Bhama, K. Light-McGroary
University of Iowa Carver College of Medicine, Iowa City, IA, USA

TRIPLE CHAMBER MYXOMA (BIATRIAL AND RIGHT VENTRICULAR) IN A 17 YEAR OLD MALE

L.K.M. Evangelista, J.A. See, A.M.A. Javelosa, D.R.K. Salvador
De La Salle University Medical Center, Dasmariñas City, Cavite, Philippines

MEDIASTINAL HEMATOMA CAUSING SYNCOPE: AN EXTRA-PERICARDIAL CULPRIT FOR TAMPONADE

S.M. Dhannoon, A.A. Alsaad
University of Central Florida, Orlando, Florida, USA

ASPERGILLUS ENDOCARDITIS AND LOCKED-IN SYNDROME: RARE COMPLICATIONS AFTER ORTHOTOPIC HEART TRANSPLANT

M.S. Bulathsinghala, E.D. Popjes
Milton S Hershey Medical Center, Penn State College of Medicine, PA, USA

INTRAOPERATIVE GRAFT VERIFICATION IN CORONARY SURGERY: WHY, WHEN AND HOW SHOULD WE VERIFY CORONARY ARTERY BYPASS GRAFTS

G. Di Giammarco, D. Marinelli, M. Foschi, M. Di Mauro, M. Di Natale
University "G.D'Annunzio", Chieti, Italy



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Hall A

PL14 Plenary Session
EVALUATION AND TREATMENT OF CHRONIC AND ACUTE CORONARY ARTERY DISEASE

EVIDENCE FOR BENEFITS FOR CHRONIC TOTAL OCCLUSION INTERVENTIONS IN 2016
(Invited Lecture)

R. Sachdeva, Grady Memorial Hospital, Atlanta, GA, USA

PREVENTION OF ACUTE MI BY AGGRESSIVE APPROACH TO TREAT UNSTABLE ANGINA
(Invited Lecture)

Y. Ueda

Osaka National Hospital, Osaka, Japan

OPTIMUM TREATMENT OF ANGINA PECTORIS SHOULD TAKE INTO CONSIDERATION
PATIENTS' CIRCULATORY STATUS AND THE PRESENCE OF ASSOCIATED
COMORBIDITIES IN THE YEAR 2016 (Invited Lecture)

U. Thadani

OU Medical Center and VA Medical Center, Oklahoma City, Oklahoma, USA

CONTROVERSIES IN ANTIPLATELET AND ANTICOAGULANT THERAPY (Invited Lecture)

D.L. Bhatt

Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA

THE ROLE OF HEMODYNAMIC SUPPORT IN THE MANAGEMENT OF AMI WITH SHOCK
(Invited Lecture)

G.W. Vetrovec

VCU Medical Center Richmond, Virginia USA

DELIRIUM IN THE INTENSIVE CARE UNIT: MORE THAN A NUISANCE (Invited Lecture)

G.W. Barsness

Mayo Clinic, Rochester, MN, USA

UPDATE ON CONTRAST REMOVAL FROM CORONARY SINUS DURING CORONARY
ANGIOGRAPHY OR INTERVENTION FOR PREVENTION OF CONTRAST INDUCED
NEPHROPATHY (Invited Lecture)

M.R. Movahed

CareMore, Tucson, Arizona, University of Arizona College of Medicine, USA

TRANSULNAR INTERVENTIONS (Invited Lecture)

E. Kaluski, M. Singh, S. Sattur

Guthrie Health System, PA, USA

CARDIORENAL DISEASE: HOW TO MANAGE ISCHEMIA IN PATIENTS WITH SEVERE CKD?
(Invited Lecture)

M.S. Sidhu, Albany Stratton VAMC and Albany Medical Center, Albany, NY, USA

HIGH-SENSITIVITY ASSAY FOR CARDIAC TROPONIN: NOVEL TOOLS FOR RISK
PREDICTION IN AMBULATORY PATIENTS (Invited Lecture)

B.M. Everett

Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

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Hall B

PL15 Plenary Session
MECHANISMS CONTRIBUTING TO HEART FAILURE DEVELOPMENT AND PROGRESSION

IMPACT OF EXERCISE CAPACITY FOR RIGHT AND LEFT HEART FAILURE (Invited Lecture)

A. Hirashiki, T. Kondo, A. Shimizu, T. Murohara
Nagoya University Graduate School of Medicine, Nagoya, Japan

CARDIOVASCULAR EFFECTS OF CARFILZOMIB, A NEW PROTEASOME INHIBITOR, ON
CORONARY ARTERY RESISTANCE, VASCULAR TONE AND VASCULAR REACTIVITY
(Invited Lecture)

T.M. Scarabelli
The University of Alabama at Birmingham, Birmingham, AL, USA

AGING AND HEART FAILURE 2016. UPDATE (Invited Lecture)

B.I. Jugdutt
University of Alberta, Edmonton, Alberta, Canada

DOXORUBICIN PROVOKES MALADAPTIVE AUTOPHAGY AND NECROTIC CELL DEATH OF
CARDIAC MYOCYTES BY DISRUPTING MITOCHONDRIAL RESPIRATION CHAIN
COMPLEX IV (Invited Lecture)

R. Dhingra, H. Gang, V. Margulets, **L.A. Kirshenbaum**
College of Medicine, University of Manitoba, Winnipeg, Manitoba, Canada

DIABETES AND HEART FAILURE: AN INFLAMMATORY PERSPECTIVE (Invited Lecture)

M. White
Montreal Heart Institute and Universite de Montreal, Montreal, Quebec, Canada

MYOCARDIAL INSULIN SIGNALING IN ISCHEMIC HEART FAILURE (Invited Lecture)

X. Qin, J. Xu, X. Zhang, **F. Gao**
Fourth Military Medical University, Xi'an, Shaanxi, China

HEMODINAMIC ADAPTATION TO EXERCISE IN HYPERTROPHIC CARDIOMYOPATHY
(Invited Lecture)

Q. Ciampi, C. Viola, B. Villari
Fatebenefratelli Hospital, Beveneto, Italy

PREVENTION OF LV DIASTOLIC DYSFUNCTION AND ATRIOMEGALY IN THE AGING
POPULATION (Invited Lecture)

H.K. Reddy, R. Komatireddy, Heart and Vascular Institute of Southern Missouri, USA

CAN GDF-15 BE USED AS A BIOMARKER IN DILATED CARDIOMYOPATHY (Invited Lecture)

N. Nair, Texas Tech HSC, Lubbock, TX, USA

CLINICAL UNDERSTANDING OF INFLAMMATION, INDUCING THROMBOGENESIS,
RESPIRATORY IMPAIRMENT, MYOCARDIAL CELL APOPTOSIS AND
REMODELLING, ANAEMIA AND RENAL DYSFUNCTION IN PATIENTS WITH PULMONARY
AND COINCIDENT CARDIAC DYSPNOEA

I. Angomachalelis, S. Tryfon, G. Kyriazis, **N. Angomachalelis** (Invited Lecture)
Aristotle University of Thessaloniki, "G. Papanicolaou" General Hospital, Thessaloniki,
Macedonia, Greece

MONDAY, AUGUST 1, 2016**08:30 – 11:45****Hall C****S34 HYPERTENSION, LIPIDS, DIABETES AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE**

RISK OF INCIDENT CARDIOVASCULAR DISEASE ACCORDING TO THE METABOLIC HEALTH AND OBESITY STATES

D. Navarro-González, L. Sánchez-Iñigo, A. Fernández-Montero, J. Pastrana-Delgado, J. Alfredo Martínez
Garcia-Orcoyen Hospital, Navarra Health Service - Osasunbidea. Spain

ASSOCIATION BETWEEN HIGH-DENSITY LIPOPROTEIN AND CARDIOVASCULAR DISEASE OUTCOMES

M.S. Sidhu, M. Pragani, W.E. Boden, R.P. Smith, L.H. Bopp, M.E. Rafferty
Albany Medical Center and Albany Stratton Veterans Affairs Medical Center, Albany, NY, USA

STATINS REPRESS THE OXLDL-INDUCED HUMAN DENDRITIC CELL MATURATION AND SUBSEQUENT T CELL PROLIFERATION

A. Liu, Y. Zhang, J. Sun, J. Frostegard
Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden

RENAL ARTERY DENERVATION IN KAZAKHSTAN: IMPACT OF ETHNICITY AND AGE

A.A. Mussayev, M.A. Aripov, S.A. Alimbayev, M.A. Temirkulov, E.B. Otambaev, A.Y. Goncharov, G.K. Zhusupova, Y.V. Pya
National Research Cardiac Surgery Center, Astana, Kazakhstan

COMBINED ANTIHYPERTENSIVE THERAPY WITH ANGIOTENSIN II RECEPTOR ANTAGONIST AND CALCIUM CHANNEL BLOCKER IN PATIENTS WITH METABOLIC SYNDROME

J.K. Uzokov, A.L. Alyavi, B.B. Karimov, K. Hamidov, S.E. Hojiev, D.X. Yakhshilikov, S.H. Dadaev, M.K. Uzoqova
Tashkent Medical Academy, Tashkent, Uzbekistan

THE CARDIOVASCULAR PRESENTATIONS AND OUTCOMES OF DIABETIC PATIENTS ADMITTED TO THE HEART HOSPITAL OVER 2 DECADES: INSIGHT FROM A HIGH-INCOME DEVELOPING COUNTRY

A.A. El-Menyar, J. Al Suwaidi, H. Al-Thani, H. AlBinali, R. Singh
Clinical Research, Hamad General Hospital, Doha, Qatar

CENTRAL OBESITY: AN INDEPENDENT ROLE OR SYNERGISTIC EFFECT TO METABOLIC SYNDROME ON LEFT VENTRICULAR FUNCTION (SYSTOLIC VS DIASTOLIC)?

F.F. Salim, S.W. Bakhoun, Z.A. Ashour, D.R. Elremisy
Kasralainy Hospital. Cardiology Department, Cairo University, Egypt

PEROXIREDOXIN1 PROTECTS MACROPHAGES FROM IMPAIRED LIPOPHAGIC FLUX BY OXIDATIVE STRESS IN ATHEROSCLEROSIS

G.T Oh, S.-J Jeong, S Kim
Ewha Womans University, Seoul, South Korea



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Hall C

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

HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY LIPASE INHIBITOR POLOXAMER 407

N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova, **T.A. Korolenko**
Inst. Physiol. Fund. Med., Novosibirsk, Russia

EFFECT OF STATINS ON HIGH SENSITIVITY C-REACTIVE PROTEIN LEVELS IN SYSTEMIC LUPUS ERYTHEMATOSUS – A META-ANALYSIS

P. Tantrachoti, S. Klomjit, A. Karukote, P. Chariyawong, J. Teerakanok, K. Nugent
Texas Tech University Health Sciences Center, Lubbock, TX, USA

GENDER FEATURES IN RISK OF HYPERTENSION IN POPULATION AGED 25-64 YEARS WITH TRAIT ANXIETY IN RUSSIA / SIBERIA: WHO PROGRAM MONICA-PSYCHOSOCIAL STUDY

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

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

R.U. Mian

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

SUBLINGUAL VERSUS ORAL CAPTOPRIL FOR DECREASING BLOOD PRESSURE

M. Mousavi, **N. Razavianzadeh**, M. Armin
Alborz University of Medical Sciences. Karaj, Iran



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Hall A

PL16 Plenary Session

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

'LARK' AND 'OWLS', GENDER, AND CARDIOVASCULAR HEALTH (Invited Lecture)

R. Manfredini, B. Zucchi, A. De Giorgi, F. Fabbian, F. Signani, A. Storari, R. Salmi

University of Ferrara, Ferrara, Italy

EDUCATION AND MORTALITY: IS A COLLEGE DEGREE UNIVERSALLY PROTECTIVE?

(Invited Lecture)

A.L. Klatsky, H.N. Tran

Kaiser Permanente Division of Research, Oakland, CA, USA

SECONDARY PREVENTION OF CARDIOVASCULAR EVENTS (Invited Lecture)

S. Mora

Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

BIOMARKERS OF THE FUTURE: METABOLOMIC PREDICTORS OF CARDIOMETABOLIC DISEASE (Invited Lecture)

S. Cheng

Brigham and Women's Hospital, Boston, MA, USA and Framingham Heart Study, Framingham, MA, USA

INTEGRATIVE MEDICINE APPROACHES TO PREVENTING HEART DISEASE

(Invited Lecture)

S. Malik

University of California, Irvine, Orange, CA, USA

HOLISTIC HEART HEALTH: INCREASING INTEREST, SCOPE & SIGNIFICANCE

(Invited Lecture)

A. Chockalingam

University of Missouri - Columbia, Harry S. Truman Memorial Veterans' Hospital, Columbia, MO, USA

A CURRENT UPDATE ON INFLUENZA AND CARDIOVASCULAR DISEASES (Invited Lecture)

M. Madjid

University of Texas Health Science Center at Houston, Houston, TX

COCOA FLAVANOLS FOR PREVENTION OF DIABETES (Invited Lecture)

L. Wang

Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

ROLE OF CVD RISK ASSESSMENT IN COPD (Invited Lecture)

H.M. Lee, J. Lee, K. Lee, Y. Luo, D.D. Sin, N.D. Wong

University of California, Irvine, Irvine, CA, USA



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Hall B

S35 VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS

COMPARISON OF EARLY HEMODYNAMIC PERFORMANCE OF STENTED PERICARDIAL AND PORCINE AORTIC VALVES

V. Sharma, S.V. Deo, S.E. Altarabsheh, Y.H. Cho, P.J. Erwin, S.J. Park
University of Utah, Salt Lake City, UT, USA

CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT IN PATIENTS OLDER THAN 85: A SINGLE-CENTER EXPERIENCE

S. Gurevich, E. Ruiz-Rodriguez, E. Missov, D. Dempsey, T. Biring, R. John, K. Liao, D. Yannopolous, G. Raveendran, G. Helmer
University of Minnesota Medical Center, MN, USA

ASSOCIATION BETWEEN SERUM OSTEOPONTIN LEVELS AND CALCIFIC AORTIC STENOSIS: A META-ANALYSIS

P. Agasthi, S. Aloor, T. Washington-Plaskett, O. Egbuche, T.R. Dammalapati, R. Sachdeva
Morehouse School of Medicine, Atlanta, GA, USA

PERIATRIAL DEVICE CLOSURE OF DIFFERENT LOCATIONS OF MITRAL PARAVALVULAR LEAKS USING A PROBE-ASSISTED DELIVERY SYSTEM

L. Hongxin, G. Wenbin, H-Z. Zhang, F. Liang, G. Zhang
Shandong Provincial Hospital Affiliated to Shandong University

DO FASCICULAR BLOCKS CAUSE MITRAL REGURGITATION?

E. Obasare, E. Melendres, V. Bhalla, M.B. West, S. Mainigi, G.S. Pressman, V.M. Figueredo
Einstein Medical Center, Philadelphia, PA, USA

AORTIC VALVE REPLACEMENT IN SINGLE CORONARY ARTERY

A. Sinha, R. Kumar, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

CORRELATION BETWEEN BRAIN NATRIURETIC PEPTIDE LEVELS AND QUALITY OF LIFE POST TRANS-CATHETER AORTIC VALVE REPLACEMENT

C. Dillane, V. Lakhter, B. O'Neill, J. Barlow, S. Back, B. O'Murchu, H. Cohen, G. Wheatley, P. Patil, M. Keane, R. Boova, Y. Toyoda
Temple Interventional Heart & Vascular Institute, PA, USA

SPONTANEOUS LEFT ATRIAL DISSECTION CAUSED BY MITRAL VALVE ENDOCARDITIS

H. Vefali, M. Durkin, A. Singh, S. Agrawal, S. Longo, M. Averbach, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

MASSIVE THROMBOSIS OF STRUCTURALLY NORMAL MITRAL VALVE IN PRIMARY ANTI-PHOSPHOLIPID ANTIBODY SYNDROME

A. Singh, S. Longo, S. Agrawal, H. Vefali, A. Sinha, A. Shi, J. Amortegui, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA.



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Hall B

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

SINGLE CENTER EXPERIENCE WITH THE BENTALL PROCEDURE WITH BIOLOGICAL VALVE CONDUIT

Y.L. Elgudin, **H.K. Lamba**, S. Deo, K. Chen, T. Fitzgerald, N. Patel, B. Cmolik
Louis Stokes VA Medical Center, Cleveland Ohio, USA

A TALE OF TWO OUTCOMES: PSEUDOANEURYSM OF THE MITRAL-AORTIC INTERVALVULAR FIBROSA; A RARE AND DANGEROUS CONDITION

K.A. Samtani, R.J. Bohinc, V.S. Tivakaran, J.B. Gibson
Wright State University, Dayton, OH, USA

11:15 – 14:30

Hall C

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

NO DIFFERENCE IN SODIUM REMOVAL WITH ULTRAFILTRATION THERAPY VERSUS CONVENTIONAL DIURETIC THERAPY IN PATIENTS WITH ACUTE HEART FAILURE

A. Koratala, S.I. Qadri, **A. Kazory**
University of Florida, Gainesville, Florida, USA

EFFICACY AND SURVIVAL IN PATIENTS WITH CARDIAC CONTRACTILITY MODULATION: LONG-TERM SINGLE CENTER EXPERIENCE IN 81 PATIENTS

J. Kuschyk, S. Roeger, B. Rudic, K. Stach, C. Weiss, T. Papavassiliu, B. Rousso,
D. Burkhoff, M. Borggreffe
University Medical Centre, I. Medical Department, Mannheim, Germany

ULTRAFILTRATION VS PHARMACOLOGICAL DIURESIS IN HEART FAILURE: A META-ANALYSIS

N. Agrawal, A. Jain, A. Kazory
University of Florida, Gainesville, FL, USA

HEART FAILURE CARE PATHWAY: STANDARDIZING CARE TO IMPROVE OUTCOMES

S. Agarwal, **G. Cherukuri**, R. Dhaliwal, N. Agarwal, J. Lansburg
Biltmore Cardiology, Phoenix, AZ, USA

RACIAL DIFFERENCES IN CLINICAL CHARACTERISTICS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION

Y.R. Patel, K.E. Kurgansky, T.F. Imran, A.R. Orkaby, K. Cho, D.R. Gagnon, Y. Ho,
J.M. Gaziano, L. Djousse, J. Joseph
Boston VA Healthcare System, Boston, MA, USA



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

RISK FACTORS ASSOCIATED WITH DIAGNOSTIC DISCREPANCY FOR LEFT VENTRICULAR HYPERTROPHY BETWEEN ELECTROCARDIOGRAPHY AND ECHOCARDIOGRAPHY

M. Pareek, S.S. Petersen, L.R. Pedersen, M.L. Nielsen, S.Z. Diederichsen, M. Leosdottir, P.M. Nilsson, A.C.P. Diederichsen, M.H. Olsen
Odense University Hospital, Odense, Denmark

FUNCTIONAL CONSEQUENCES OF CHRONOTROPIC INCOMPETENCE

N. Choksi, **I. Barlas**, A. Ali
Institute for Cardiovascular Excellence - Ocala, FL, USA

ECHOCARDIOGRAPHIC PREDICTORS OF HEART FAILURE IN HYPERTENSIVE CARDIOMYOPATHY

A. Bhullar, M. Bhullar, M. Singh, K. Muhyieddeen, B. Khatri, R. Ferdman, A. Najafi, C. Katikireddy
UCSF Fresno Medical Education Program, Fresno, CA, USA

THE EFFECT OF MATERNAL OBESITY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE

C. Wang, K.Y. Zhou, H.Y. Li, Y.F. Li, Y. Zhang, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

UTILITY OF THE LACE INDEX AT THE BEDSIDE IN PREDICTING 30-DAY READMISSION OR DEATH IN PATIENTS HOSPITALIZED WITH HEART FAILURE

P. Yazdan-Ashoori, S. Lee, Q. Ibrahim, **H.G.C. Van Spall**
McMaster University, Hamilton, Canada

MIXED TREATMENT ANALYSIS OF TOLVAPTAN, ULTRAFILTRATION AND LOOP DIURETICS IN THE MANAGEMENT OF ACUTE CONGESTIVE HEART FAILURE

S. Dayanand, J.M. Martinez, R. Chait
University of Central Florida, Kissimmee, FL, USA

LOW-FREQUENCY ELECTRICAL STIMULATION VERSUS AEROBIC EXERCISE TRAINING IN PATIENTS WITH CHRONIC HEART FAILURE

I.A. Al-Ghandour, Z.M. Helmy, E.H. Abdel-Salam, S.H. Mohammed
Faculty of Physical Therapy, Cairo University, Giza, Egypt



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Poster Hall

P501 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH

VENTRICULAR DYSFUNCTION AND REMODELING THROUGH INHIBITING INFLAMMATORY STIMULI, OXIDATIVE STRESS & ENHANCING ANGIOGENESIS IN A SWINE MYOCARDIAL INFARCTION MODEL

H-W. Chang, H.K. Yip

Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

TREATING HEART FAILURE AND HEART FAILURE-INDUCED LUNG INFLAMMATION BY CYTOKINE THERAPY

A. Chen, H. Wang, D.M. Kwak, R.J. Bache, Y. Chen

Lillehei Heart Institute and Cardiovascular Division, University of Minnesota, MN, USA

IMPLICATION OF MIR-1 AND MIR-144 IN INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA/REPERFUSION INJURY

N. Motayaghenni, S. Sharma, J. Li, M. Eghbali

UCLA, Los Angeles, CA, USA

REVERSAL OF XYLAZINE-INDUCED BRADYCARDIA WITH INTRALIPID

N. Motayaghenni, M. Eghbali

UCLA, Los Angeles, CA, USA

HIGH SALT DIET DURING GESTATION ALTERS SALT SENSITIVITY OF THE CARDIOVASCULAR SYSTEM IN OFFSPRING

S. Kagota, K. Maruyama, K. Shinozuka

Mukogawa Women's University, Nishinomiya, Japan

METFORMIN REDUCES MITOCHONDRIAL DEGRADATION IN DOXORUBICIN TREATED CARDIAC MYOBLASTS

P.R. Pinkhasova, S. Kobayashi, Q. Liang

New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA

STUDY OF THERAPEUTIC AND CARDIOPROTECTIVE EFFECT OF CURCUMIN ON ISOPROTERENOL-INDUCED MYOCARDIAL INJURY IN RATS

M.S. Oliveira, L. Zangi, K.M. Mata, V. Blefari, S.G. Ramos

University of Sao Paulo, Ribeirao Preto, SP, Brazil

REGULATION OF REDOX-HOMEOSTASIS BY METABOLIC DRUG ELTACIN IN THERAPY OF AGING PATIENTS WITH ISCHEMIC HEART DISEASE

E.V. Kalinina, R.M. Zaslavskaya, Y.R. Nartsissov

People's Friendship University of Russia, Moscow, Russia

EXPRESSION OF OPIOID RECEPTORS DELTA AND KAPPA IN THE HUMAN TISSUE OF DIABETIC'S PATIENTS

M. Ismail, A. Rungtatscher, M.A. Gebrie, G.B. Luciani, I. Cristobo, S. Notararigo,

C. Chen-Scarabelli, **T. Scarabelli**, G. Faggian

University of Verona, Italy



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P501 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH (cont.)

INTERLEUKIN-17A MEDIATES CARDIOMYOCYTE APOPTOSIS THROUGH STAT3-INOS PATHWAY

S.A. Su, D. Yang, W. Zhu, Z.J. Cai, N. Zhang, L.N. Zhao, J.A. Wang, M.X. Xiang
Second Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, Zhejiang Province, P.R. China

THE STUDY OF FETAL RAT MODEL OF INTRA-AMNIOTIC ISOPROTERENOL INJECTION INDUCED HEART DYSFUNCTION AND PHENOTYPIC SWITCH OF CONTRACTILE PROTEINS

Y.F. Li, Y.M. Hua, C. Wang, D.Z. Mu, K.Y. Zhou
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

SUBTY PE-SPECIFIC PROMOTER-DRIVEN ACTION POTENTIAL IMAGING FOR PRECISE DISEASE MODELING AND DRUG TESTING IN HIPSC-DERIVED CARDIOMYOCYTES

Z. Chen, W. Xian, M. Bellin, T. Dorn, Q. Tian, C.L. Mummery, P. Lipp, A. Moretti, D. Sinnecker, K.L. Laugwitz
Technical University of Munich, Munich, Germany

CALMDOULIN REGULATING CALCIUM SENSITIVITY OF NA CHANNELS

R. Vegiraju
University of Texas at Austin, Austin, Texas, USA

ENZYMATIC DEGRADATION OF 7-KETOCHOLESTEROL (7-KC), A NEW STRATEGY FOR THE TREATMENT OF ATHEROSCLEROSIS

I. Perveen, S. Sehar, S. Ahmed
Quaid-i-Azam University, Islamabad, Pakistan

VARIATIONS IN ELECTROCARDIOGRAM AND HEART FUNCTION: A CLUE TO ANALYZE UPSHOT OF HIGH FAT DIET INDUCED GUINEA PIGS

D. Dasagrandhi, R. Arul Salomee Kamalabai, K.S. Jayachandran
Bharathidasan University, Tiruchirappalli, Tamil Nadu, India

P502 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES

COMPLETE VERSUS CULPRIT VESSEL ONLY REVASCULARIZATION IN STEMI: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

S.R. Vaidya, S. Arora, S.R. Devarapally
Cape Fear Valley Medical Center, Fayetteville, NC, USA

LOW SERUM HIGH DENSITY LIPOPROTEIN CHOLESTEROL LEVEL AND LOW BODY MASS INDEX ARE ASSOCIATED WITH CONTRAST-INDUCED ACUTE KIDNEY INJURY IN PATIENTS UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR MYOCARDIAL INFARCTION

B.M. Choi, Y.O. Kim, H.W. Kim
The Catholic University, Seoul, Korea



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P502 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES (cont.)

DEFINITIVE ACUTE STENT THROMBOSIS IN A PATIENT WITH NON-ST ELEVATION MYOCARDIAL INFARCTION

S. Zamin, G. Wilson, K. Suarez, K. Slicker

Baylor Scott & White Health/Texas A&M College of Medicine, TX, USA

MARKED CORONARY TORTUOSITY: SPECTATOR OR GUILTY IN THE GENESIS OF MYOCARDIAL ISCHEMIA

A. Fiorella, P. Basso, L. Abbracciavento, V. D'Andria, A. Bolognini, V.A. Russo

SS Annunziata Hospital Cardiology, Taranto, Italy

WELLENS' SYNDROME REVISED

S. Oo, K. Khalighi, C. May

Easton Hospital, Easton, PA, USA

DIFFUSE MULTIVESSEL CORONARY ARTERY SPASM (CAS) INDUCED BY GUIDEWIRE INSERTION LEADING TO CARDIAC ARREST: A CASE REPORT

B.T. Yeneneh, B. Louka, E. Yang, D. Fortuin

Mayo Clinic, Arizona, USA

ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION AND FACTORS ASSOCIATED WITH STENT CHOICE

J.D. Nunez Breton, J.C. Duque Ballesteros, C.A. Gomez, C. Rueda Rios, J.P. Zambrano, C.E.

Mendoza, A. Ferreira

Jackson Memorial Hospital, Miami, FL, USA

METHYLENEDIOXYMETHAMPHETAMINE (MDMA) INDUCED SPONTANEOUS CORONARY ARTERY DISSECTION

F. Benn, A. Afzal, B. Subedi, M. Majumder,

New York Methodist Hospital, Weill Cornell Affiliate, Brooklyn, NY, USA

ECTATIC CORONARY VESSELS WITH MULTIPLE GIANT ANEURYSMS

K. Tan, F. Kho, I. Syed

Khoo Teck Puat Hospital, Singapore



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P503 LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

EFFICACY AND SAFETY OF FIXED-DOSE COMBINATION OF
IRBESARTAN/ROSUVASTATIN IN PATIENTS WITH HYPERCHOLESTEROLEMIA AND
HYPERTENSION

S.H. Kim, H.L. Lee, H.L. Kim, G.J. Aha, J.H. Zo, M.A. Kim
Seoul Boramae Hospital, Seoul National University College of Medicine, South Korea

DIABETES AND ISCHEMIC HEART DISEASE DEATH IN PEOPLE AGE 25-54: A MULTIPLE-
CAUSE-OF-DEATH ANALYSIS BASED ON OVER 400 000 DEATHS FROM 1990 TO 2008 IN
NEW YORK CITY

A.M. Quinones, I. Lobach, G.A. Maduro, N.R. Smilowitz, H.R. Reynolds
NYU Langone Medical Center, New York, NY, USA

SERUM MAGNESIUM AND IMPAIRED FASTING GLUCOSE IN NON-DIABETIC ADULTS

L.C. Del Gobbo, X. Zhang, L. Wang, H.D. Sesso, J.E. Manson, A. Pradhan, **Y. Song**
Division of Cardiovascular Medicine, Stanford University, Stanford, CA, USA

ASSOCIATION BETWEEN THE RS11614913 POLYMORPHISM IN THE HSA-MIR-196A2 AND
OBESITY-RELATED PARAMETERS

O. Coltell, D. Corella, R. Barragan-Arnal, E.M. Asensio, R. Fernandez-Carrion, O. Portoles,
E. Ferriz, J.I. Gonzalez, J.M. Ordovas, J.V. Sorli
CiberOBN, Madrid, Spain

STUDY OF CARDIAC AUTONOMIC FUNCTIONS IN PREDIABETES

R. Avasthi, S. Bansal, M. Agarwal
UCMS, Delhi, India

THE ANTI-INFLAMMATORY AND ANTIATHEROGENIC EFFECT OF NAD-CONTAINING DRUG
ON EARLY ATHEROSCLEROSIS IN HIGH CHOLESTEROL FED RABBITS

G.V. Sukoyan, N.M. Dolidze, T.D. Kezeli, N.V. Gongadze, P.A. Galenko-layroshevsky,
V.V. Golovach
International Centre of Introduction of New Biomedical Technology, Tbilisi, Georgia

HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY
POLOXAMER 407

N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova, **T.A. Korolenko**
Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia

THE OBESITY PARADOX DECODED: BMI AFFECTS CO-MORBIDITIES BUT NOT
OUTCOMES IN ISCHEMIC STROKE

J.A. Pieper, M. Ashamalla, D. Sedhom, N. Yager, M. Torosoff
Albany Medical College, Albany, NY, USA

COMPARISON OF LONG-ACTING INSULIN ANALOGUE WITH NPH INSULIN IN TYPE 1
DIABETES: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

S.M. Muddassir, A. Ishfaq, M.A. Ismail, **M.F. Ishfaq**
Oak Hill Hospital, FL, USA



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P503 LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

COMPARISON OF 70/30 BIPHASIC INSULIN WITH GLARGINE IN PATIENTS WITH INADEQUATELY CONTROLLED TYPE 2 DIABETES MELLITUS: META-ANALYSIS OF RANDOMIZED AND NON-RANDOMIZED STUDIES

S.M. Muddassir, A. Ishfaq, M.A. Ismail, **M.F. Ishfaq**

Oak Hill Hospital, FL, UP-Kentucky College of Osteopathic Medicine

P504 HYPERTENSION

LIFE-STYLE CHARACTERISTICS AND CARDIOVASCULAR DISEASES IN TOUR MANAGERS

Y-C Tseng, F-Y Lan, H-R Guo

Chang Jung Christian University, National Cheng Kung University, Taiwan

CFC NATIONAL SURVEY ON HYPERTENSION TREATMENT

G.V. Gaudio, L.U. Guasti, S.T. Carugo, A.L. Lupi, L.U. Gianturco, G.I. Derosa, **A. Palmarini**
on Behalf of the CFC National Hypertension Board, Italy

EFFECT OF OLMESARTAN ALONE, AND IN COMBINATION WITH AZELNIDIPINE IN THE CONTROL OF HYPERTENSION AND PLASMA B-TYPE NATRIURETIC PEPTIDE LEVELS

N. Fujino, K. Hayashi, K. Sakata, T. Konno, T. Tsuda, Y. Nagata, R. Teramoto,

A. Nomura, Y. Tanaka, M. Yamagishi

Kanazawa University, Kanazawa, Japan

THE RELATIONSHIP BETWEEN BLOOD PRESSURE VARIABILITY AND 10-YEAR CARDIOVASCULAR RISK

M. Celik, **U.C. Yuksel**, E. Yildirim, E. Gursoy, M. Koklu, S. Yasar, S. Gormel,

B. Bagan, C. Barcin

Gulhane Military Medical Academy, Ankara, Turkey

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P505 VALVULAR HEART DISEASE

MITRAL VALVE DISEASE IN THE UNITED STATES: RETROSPECTIVE ANALYSIS OF HOSPITALIZATIONS AND SURGICAL PROCEDURES USING THE NATIONAL INPATIENT SAMPLE

M.E. Stuntz

Deerfield Institute, New York, NY, USA

EARLY RESULTS OF TRIFECTA BIO-PROSTHESIS AORTIC VALVE REPLACEMENT: A SINGLE CENTER ANALYSIS

Y.L. Elgudin, **H.K. Lamba**, S. Deo, M. Kolevar, T. Fitzgerald, M. Kihosravi, B. Cmolik

Louis Stokes VA Medical Center, Cleveland, OH, USA



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P505 VALVULAR HEART DISEASE (cont.)

FIBULIN-5 AND COLLAGEN-3 ANTIGENS EXPRESSIONS IN PATIENTS WITH CALCIFIC AORTIC STENOSIS AND MARFANOID HABITUS

N.N. Parfenova, L.B. Mitrofanova, P.V. Konovalov
Saint Petersburg, Russia

RECENT TRENDS IN PREVALENCE, MICROBIOLOGY, TREATMENT, AND OUTCOME OF INFECTIVE ENDOCARDITIS IN END-STAGE RENAL DISEASE

S. Agrawal, N. Bhatia, D. Mohananey, A. Singh, A. Sinha, A. Abichandani, M. Fegley, A. Quddus, S. Nanda, J. Shirani
St Luke's University Health Network, Bethlehem, PA, USA

UNUSUAL COMPLICATION FROM A RARE ENDOCARDITIS

F. Khan, M. Garrido, E. Kostacos, V. Mallavarapu
Abington Jefferson Health, Abington, PA, USA

INTERCOMMISSURAL DISTANCE AS THE LONE ANNULOPLASTY RING SIZING STRATEGY MAY NOT PREVENT SAM

S. Edla, E. Maiodna, S. Neupane, H. Rosman
St John Hospital and Medical Center, Detroit, MI, USA

STABILIZED RATE OF AORTIC VALVE SURGERY PERFORMED IN THE UNITED STATES IN RECENT YEARS WITH MARKEDLY LOWER RATE PERFORMED IN WOMEN

M.R. Movahed, M. Hashemzadeh, M. Hashemzadeh
CareMore, Tucson, Arizona, USA

ST-SEGMENT ELEVATION DURING BRONCHOSCOPY: A CASE OF LEFT-SIDED CARCINOID HEART DISEASE

A.D. Franklin, R. J Lundstrom, Kaiser Permanente Medical Center, Oakland, CA, USA

NATIVE VALVE EMPHYSEMATOUS ENTEROCOCCAL ENDOCARDITIS

A. Singh, S. Longo, S. Nanda, S. Agrawal, H. Vefali, A. Quddus, A. Abichandani, A. Sinha, N. Radoianu, A. Shi, J. Amortegui, J. Shirani