E-Posters

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001 - NORMOXIC HIF-1A STABILIZATION AT THE VASCULAR BARRIER IN ATHEROSCLEROSIS

Mohsen Abdi Sarabi[1]; Sönke Weinert[1]; Rüdiger Braun-Dullaeus[2], ([1]Laboratory for Experimental Cardiology, Magdeburg, Germany, [2]University hospital, Magdeburg, Germany)

COMPARATIVE ANALYSIS OF ENDOTHELIAL FIBRINOLYTIC ACTIVITY IN PATIENTS WITH OBLITERATING ATHEROSCLEROSIS WITH THE DEFEAT OF AORTO-FEMORAL-POPLITEAL SEGMENTS

Elena Bobrovskaya; Viktor Lazarenko; Maria Komarnitskaya, (Kursk State Medical University Ministry of Health of the Russian Federation, Kursk, Russian Federation)

002 - ENDOTHELIUM FUNCTION IN CHILDREN WITH HETEROZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA

Eugenia Slastnikova[1]; Dinara Sadykova[2]; Liliia Galimova[1]; Chulpan Khaliullina[2], ([1]Republican Children's Hospital, Kazan, Russian Federation, [2]Kazan State Medical University, Kazan, Russian Federation)

INFLUENCE OF MINERAL BONE DISEASE BIOMARKERS IN CAROTID MODELING AS A MARKER OF EARLY ATHEROSCLEROSIS IN DIALYSIS PATIENTS

Eqrem Hasani[1]; Merita Rroji[2]; Nereida Spahia[1], ([1]University Hospital Center " Mother Tereza", Tirana, Albania, [2]University Hospital Center, Tirana, Albania)

AMELIORATIVE ROLE OF BETA-CARYOPHYLLENE AGAINST HYPERHOMOCYSTEINEMIA INDUCED ENDOTHELIAL DYSFUNCTION AND OXIDATIVE STRESS

Boyina Hemanth Kumar; Ravula Arun Reddy; Veleti Kowmudhi; Bakshi Vasudha, (Anurag University, Hyderabad, India)

003 - INCREASED RAAS ACTIVATION IS ASSOCIATED WITH CALCIFIED PLAQUE BURDEN, ADVERSE PLAQUE CHARACTERISTICS AND FFR SIGNIFICANT CORONARY ARTERY DISEASE

Ruurt Jukema[1]; Ruben Winter De[1]; Pepijn Diemen Van[1]; Roel Driessen[1]; A.H. Danser[2]; Ingrid Van Den Berg-Garrelds[2]; Pieter Raijmakers[1]; Peter Ven Van De[1]; Paul Knaapen[1]; Ibrahim Danad[1]; Guus Waard De[1], ([1]Amsterdamumc, location VUmc, Amsterdam, Netherlands, [2]Erasmus MC, Rotterdam, Netherlands)

004 - PROTEOMIC PROFILING OF ENDOTHELIAL CELLS TREATED WITH CALCIPROTEIN PARTICLES

Arseniy Lobov[1]; Daria Shishkova[2]; Bozhana Zainullina[1]; Victoria Markova[2]; Anton Kutikhin[2], ([1]Research Institute of Cytology, St. Petersburg, Russian Federation, [2]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

005 - CONDITIONED MEDIUM FROM CALCIPROTEIN PARTICLE-TREATED ENDOTHELIAL CELLS PROVOKES ENDOTHELIAL DYSFUNCTION IN HEALTHY ENDOTHELIUM

Daria Shishkova; Victoria Markova; Maxim Sinitsky; Anna Sinitskaya; Anastasia Kanonykina; Anton Kutikhin, (Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

006 - THE ASSOCIATION OF SOLUBLE ENDOGLIN AND ENDOTHELIAL DYSFUNCTION IN TYPE 2 DIABETES MELLITUS AND FAMILIAL HYPERCHOLESTEROLEMIA: IMPACT OF STATIN THERAPY

Martina Lasticova[1]; Jakub Visek[1]; Vladimír Blaha[2]; Milan Bláha[2]; V. Liptak[1]; Petr Nachtigal[3], ([1]University Hospital Hradec Králové and Charles University, Hradec Kralove, Czech Republic, [2]University Hospital Hradec Králové, Hradec Králové, Czech Republic, [3]Faculty of Pharmacy, Charels University, Hradec Kralove, Czech Republic)

007 - EICOSAPENTAENOIC ACID (EPA) INCREASED ENDOTHELIAL NITRIC OXIDE SYNTHASE (ENOS) LEVELS AND PROTEINS ASSOCIATED WITH CELLULAR RESPONSES TO OXIDATIVE STRESS DURING INFLAMMATION

Samuel Sherratt[1]; Peter Libby[2]; Deepak Bhatt[2]; Hazem Dawoud[3]; Tadeusz Malinski[3]; Preston Mason[4], ([1]University of New Hampshire, Durham, United States of America, [2]Brigham & Women's Hospital, Boston, United States of America, [3]Ohio University, Athens, United States of America, [4]Brigham and Women's Hospital, Beverly, United States of America)

008 - EICOSAPENTAENOIC ACID DECREASES APOC-III EXPRESSION IN RESPONSE TO AIR POLLUTION PARTICLES IN PULMONARY ENDOTHELIAL CELLS

Samuel Sherratt[1]; Peter Libby[2]; Deepak Bhatt[2]; Hazem Dawoud[3]; Tadeusz Malinski[3]; Preston Mason[4], ([1]University of New Hampshire, Durham, United States of America, [2]Brigham & Women's Hospital, Boston, United States of America, [3]Ohio University, Athens, United States of America, [4]Brigham and Women's Hospital, Beverly, United States of America)

009 - EICOSAPENTAENOIC ACID (EPA) INCREASES DETOXIFICATION PROTEINS AND REDUCES REACTIVE OXYGEN SPECIES IN PULMONARY ENDOTHELIAL CELLS DURING EXPOSURE TO URBAN AIR POLLUTION

Samuel Sherratt[1]; Peter Libby[2]; Deepak Bhatt[2]; Hazem Dawoud[3]; Tadeusz Malinski[3]; Preston Mason[4], ([1]University of New Hampshire, Durham, United States of America, [2]Brigham & Women's Hospital, Boston, United States of America, [3]Ohio University, Athens, United States of America, [4]Brigham and Women's Hospital, Beverly, United States of America)

EFFECT OF HIGH- INTENSITY EXERCISE ON ENDOTHELIAL FUNCTION USING FLOW-MEDIATED DILATION PROTOCOL AND A NEW ULTRASOUND IMAGE PROCESSING SOFTWARE-BASED AUTOMATIC METHOD

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

EFFECT OF COMBINED HIGH- INTENSITY EXERCISE AND SIMULTANEOUSLY CHOLESTEROL-RICH DIET ADMINISTRATION ON ARTERIAL MECHANICAL PARAMETERS USING A NEW ULTRASOUND IMAGE PROCESSING SOFTWARE

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

GIANT MULTINUCLEATED ENDOTHELIAL CELLS ARE ASSOCIATED WITH LOCAL ACCUMULATION OF LDL AND CD45+ LYMPHOCYTES IN THE INTIMA OF HUMAN AORTA

Nikita Nikiforov[1]; D Zlenko[2]; Alexander Orekhov[3], ([1]Institute Of General Pathology And Pathophysiology, Moscow, Russian Federation, [2]N.N. Semenov Federal Research Center for Chemical Physics, Moscow, Russian Federation, [3]Research Institute of Human Morphology, Moscow, Russian Federation)

ASSOCIATION BETWEEN E-CIGARETTE AND ATHEROSCLEROSIS: A REVIEW

Aurea Novais; Renan Castello Branco, (Bahiana School of Medicine and Public Healthy, Salvador, Brazil)

010 - SGLT2 INHIBITORS MAY REVERSE THE DAMAGING EFFECT OF OXIDIZED CHOLESTEROL ON THE INTEGRITY OF HUVECS AND ALLEVIATE ASSOCIATED INFLAMMATORY RESPONSE.

Agnieszka Pawlos[1]; Marlena Broncel[2]; Ewelina Woźniak[2]; Paulina Gorzelak-Pabiś[2], ([1]Medical University of Lodz, Łódź, Poland, [2]Medical University in Lodz, Lodz, Poland)

REGENERATION OF VASCULAR ENDOTHELIUM WITH EARLY PROATHEROGENIC CHANGES INDUCED BY BACTERIAL COMPONENTS IN THE PRESENCE OF HIGH FAT SUBSTANCES.

Agnieszka Krupa[1]; Paulina Rusek-Wala[2]; Przemysław Płociński[2]; Magdalena Chmiela[2], ([1]University of Lodz, Lodz, Poland, [2]Department of Immunology and Infectious Biology, University of Lodz, Lodz, Poland)

011 - DETECTION AND ANALYSIS OF MITOCHONDRIAL LESIONS IN ATHEROSCLEROSIS USING THE ELECTRONIC MICROSCOPE

Margarita Sazonova[1]; Vasily Sinyov[2]; Anastasia Ryzhkova[1]; Marina Sazonova[1]; Natalya Doroshchuk[3]; Alexander Orekhov[4]; Igor Sobenin[3], ([1]FSBSI "Institute of General Pathology and Pathophysiology", Moscow, Russian Federation, [2]A.P.Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation, [4]Research Institute of Human Morphology, Moscow, Russian Federation)

A MOUSE MODEL OF ARTERIAL ENDOTHELIAL CELL-SPECIFIC INFLAMMATION REVEALS PATHWAYS OF ENDOTHELIAL DYSFUNCTION AND THE SIMULTANEOUS UPREGULATION OF ACE2, THE RECEPTOR OF SARS-COV2.

Johannes Schmid; Marion Mussbacher; José Basílio; Manuel Salzmann, (Medical Univ. of Vienna, Vienna, Austria)

GENOTOXIC STRESS IN ENDOTHELIOCYTES LEADS TO ENDOTHELIAL DYSFUNCTION: RESULTS OF GENE EXPRESSION ANALYSIS

Maxim Sinitsky; Anna Sinitskaya; Anton Kutikhin; Daria Shishkova; Anastasia Ponasenko, (Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

INDICATORS OF ENDOTHELIAL DYSFUNCTION AND HEMOSTASIS FACTORS IN MEN WITH CORONARY ATHEROSCLEROSIS

Evgeniia Striukova[1]; Elena Kashtanova[2]; Vladimir Maksimov[1], ([1]Research Institute of Internal and Preventive Medicine – Branch of the Institute of Cytology and Genetics, Novosibirsk, Russian Federation, [2]Research Institute of Internal and Preventive Medicine – Branch of IC&G SB RAS, Novosibirsk, Russian Federation)

012 - ROLE OF TYROSINE PHOSPHATASE PTP PEST IN SHEAR STRESS INDUCED ENDOTHELIAL FUNCTION

Rakesh Tiwari; Shivam Chandel; Madhulika Dixit, (INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI, India)

013 - CRITICAL IMPACT OF ENDOGLIN BLOCKAGE IN ENDOTHELIAL DYSFUNCTION INDUCED BY HYPERCHOLESTEROLEMIA AND HYPERGLYCEMIA IN HUMAN AORTIC ENDOTHELIAL CELLS

Katarína Tripská[1]; Ivone Cristina Igreja Sá[2]; Matej Vicen[1]; Samira Eissazadeh[3]; Zuzana Svobodová[1]; Barbora Vitverová[4]; Radim Havelek[5]; Charles Theuer[6]; Carmelo Bernabeu[7]; Petr Nachtigal[4], ([1]Charles University - Faculty Of Pharmacy In Hradec Kralove, Hradec Králové, Czech Republic, [2]Department of Biological and Medical Sciences, Hradec Králové, Czech Republic, [3]Charels University- Faculty of Pharmacy, Hradec Kralove, Czech Republic, [4]Faculty of Pharmacy, Charels University, Hradec Kralove, Czech Republic, [5]Department of Medical Biochemistry, Hradec Králové, Czech Republic, [6]Tracon Pharmaceuticals, Inc., San Diego, United States of America, [7]Centro de Investigaciones Biológicas Margarita Salas, Madrid, Spain)

014 - THE ACUTE EFFECTS OF MEALS RICH IN SATURATED OR UNSATURATED FATTY ACIDS ON CELL ADHESION MOLECULES AND EX-VIVO CYTOKINE PRODUCTION IN HEALTHY MEN (COCOHEART STUDY)

Gloria Wong; Miriam Clegg; Kim Jackson; Julie Lovegrove, (University of Reading, Reading, United Kingdom)

015 - THE PROTECTIVE EFFECT OF EMPAGLIFLOZIN ON DNA OXIDATIVE CHANGES IN A MODEL OF VASCULAR ENDOTHELIAL DAMAGE WITH OXIDIZED CHOLESTEROL

Ewelina Woźniak[1]; Marlena Broncel[1]; Bożena Bukowska[2]; Paulina Gorzelak-Pabiś[1], ([1]Medical University in Lodz, Lodz, Poland, [2]University in Lodz, Lodz, Poland)

PHARMACOLOGICAL INHIBITION OF IRAK1 AND IRAK4 PREVENTS ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS IN MICE

Xiumei Wu[1]; Mengyun Xu[2]; Zhenghong Liu[2]; Zhidan Zhang[2]; Yujie Liu[2]; Sihui Luo[2]; Xueying Zheng[2]; Suowen Xu[2]; Jianping Weng[1], ([1]The Third Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, [2]Laboratory of Metabolics and Cardiovascular Diseases, hefei, China)

RUTAECARPINE, A BIOACTIVE CONSTITUENT ISOLATED FROM TETRADIUM RUTICARPUM, PREVENTS ENDOTHELIAL INFLAMMATION

Xiumei Wu[1]; Zhenghong Liu[2]; Mengyun Xu[2]; Suowen Xu[2]; Jianping Weng[1], ([1]The Third Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, [2]Laboratory of Metabolics and Cardiovascular Diseases, hefei, China)

ROLE OF LTA/TNFR AND LTA1B2/LTBR AXIS IN VASCULAR SMOOTH MUSCLE CELLS IN THE CONTEXT OF ATHEROSCLEROSIS

María Aguilar Ballester; Susana Martín-Vañó; Alejandra Abella Miralles; Gema Hurtado Genovés; Andrea Herrero-Cervera; Alida M. Taberner Cortés; Ángela Vinué; Sergio Martínez-Hervás; Herminia González-Navarro, (INCLIVA, Valencia, Spain)

PROTEIN ALTERATIONS IN VSMCS REVEAL A DEFECTIVE REPAIRMENT CAPACITY IN THORACIC AORTIC ANEURYSM ASSOCIATED TO BAV

Ariadna Martin-Blazquez[1]; Marta Martin-Lorenzo[2]; Aranzazu Santiago-Hernandez[3]; Juan Lopez[4]; Angeles Heredero[5]; Alicia Donado[5]; Miriam Anfaiha Sánchez[2]; Vanesa Esteban[3]; Jesus Vazquez[4]; Gonzalo Aldamiz-Echevarria[5]; Gloria Alvarez-Llamas[3], ([1]Instituto de Investigación Sanitaria-Fundación Jiménez Díaz, Madrid, Spain, [2]FIIS- Fundación Jiménez Díaz, Madrid, Spain, [3]IIS-Fundacion Jimenez Diaz, Madrid, Spain, [4]CNIC, Madrid, Spain, [5]Fundación Jiménez Díaz, Madrid, Spain)

INTEGRATION OF CAD-ASSOCIATED GWAS LOCI AND DECONVOLUTION FROM HUMAN CAROTID PLAQUES TO STUDY SMOOTH MUSCLE CELL FUNCTION IN ATHEROSCLEROSIS

Sampath Narayanan[1]; Sofija Vuckovic[2]; Robert Wirka[3]; Mariette Lengquist[1]; Thomas Quertermous[4]; Ulf Hedin[1]; Ljubica Matic[5], ([1]Karolinska Institutet, Stockholm, Sweden, [2]Karolinska Institutet, Stockholm, Netherlands, [3]University of North Carolina, Chapel Hill, United States of America, [4]Stanford University School of Medicine, Stanford, United States of America, [5]Karolinska Institutet, Solna, Sweden)

016 - DIMETHYLARGININE DIMETHYLAMINOHYDROLASE (DDAH-2) REGULATES THE MACROPHAGE INNATE RESPONSE AND COULD BE A TARGET FOR ATHEROSCLEROTIC THERAPY: HIGH-THROUGHPUT RNA-SEQ APPROACH

Sarah Alanazi; Fiona Leiper; James Leiper, (University of Glasgow, Glasgow, United Kingdom)

NMDA-receptors antagonist influence on eating behavior in Syrian golden hamsters under carbohydrate metabolism experimental pathologies

Tetiana Briukhanova[1]; Dmytro Lytkin[2]; Andriy Zagayko[3], ([1]National University of Pharmacy, Kharkiv National Medical University, Kharkiv, Ukraine, [2]National University of Pharmacy, Kharkiv, Ukraine, [3]Medical center of physical rehabilitation and sport medicine, Kharkiv, Ukraine)

THE EFFECT OF MYELOPEROXIDASE OXIDIZED LDL ON THP-1 MACROPHAGE POLARIZATION AND REPOLARIZATION

Jalil Daher; Samer Bazzi; Christian Frangie; Eliana Azar, (University of Balamand, Tripoli, Lebanon)

THE DELETION OF MURINE ORTHOLOG OF HUMAN ANRIL AND 9P21.3 CARDIOVASCULAR DISEASE RISK LOCUS ENHANCES INFLAMMATION AND PROMOTES ATHEROSCLEROSIS IN MICE

Sanna Kettunen[1]; Anna-Kaisa Ruotsalainen[1]; Tiit Örd[1]; Tuisku Suoranta[1]; Janne Heikkilä[2]; Minna Kaikkonen-Maatta[1]; Nihay Laham-Karam[1]; Seppo Ylä-Herttuala[1], ([1]University of Eastern Finland, Kuopio, Finland, [2]Kuopio University Hospital, Kuopio, Finland)

017 - THE ROLE OF ACTIVATOR PROTEIN-1 (AP-1) TRANSCRIPTION FACTORS IN DIABETES ASSOCIATED ATHEROSCLEROSIS

Waheed Khan[1]; Man Lee[2]; Anna Watson[1]; Scott Maxwell[1]; Mark Cooper[1]; Andrew Murphy[2]; Sara Baratchi[3]; Karin Jandeleit-Dahm[1], ([1]Monash University, Melbourne, Australia, [2]Baker Heart and Diabetes Institute, Melbourne, Australia, [3]RMIT University, Melbourne, Australia)

THE MACROPHAGE ACTIVATION AND THE CAROTID INTIMA-MEDIA THICKNESS IN UNTREATED RHEUMATOID ARTHRITIS PATIENTS (PRELIMINARY DATA).

Elena Gerasimova[1]; Tatiana Kirichenko[2]; Tatiana Popkova[1]; Alexander Markin[2]; Yulia Markina[2]; Anastasia Bogatyreva[2], ([1]V.A.Nasonova Research Institute of Rheumatology, Moscow, Russian Federation, [2]Research Institute of Human Morphology, Moscow, Russian Federation)

MONOCYTE ACTIVATION IN CORONARY HEART DISEASE AND TYPE 2 DIABETES

Tatiana Kirichenko[1]; Ludmila Nedosugova[2]; Leila Bochkareva[2]; Karine Galstyan[2]; Alexander Orekhov[1]; Igor Sobenin[3], ([1]Research Institute of Human Morphology, Moscow, Russian Federation, [2]I.M. Sechenov First Moscow State Medical University (Sechenov University), Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation)

018 - A MATHEMATICAL MODELING APPROACH FOR ELUCIDATING THE SIGNALING PATHWAYS INVOLVED IN MACROPHAGE CHOLESTEROL HOMEOSTASIS AND VALIDATION OF AEBP1 ROLE IN ATHEROSCLEROSIS

Amin Majdalawieh; Abdul Jarrah; Israa Alhamarna; Fatima Al Zoubi, (American University of Sharjah, Sharjah, United Arab Emirates)

STUDY OF THE EFFECT OF IL7 ON CHANGES IN THE CONTENT OF CHOLESTEROL IN CELLS AND THE INFLAMMATORY MEDIATORS GENES EXPRESSION.

Alexander Markin[1]; Anastasia Bogatyreva[1]; Taisiya Tolstik[1]; Ulyana Zotova[2]; Yulia Markina[1]; Anton Postnov[2]; Alexander Orekhov[1], ([1]Research Institute of Human Morphology, Moscow, Russian Federation, [2]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation)

CONTRIBUTION OF ATHEROSCLEROSIS-RELATED MITOCHONDRIAL MUTATIONS TO THE CELLULAR OXYGEN ABSORPTION IN THE HUMAN MACROPHAGES

Andrey Omelchenko[1]; Victoria Khotina[1]; Vasily Sukhorukov[2], ([1]Institute for Atherosclerosis Research, Moscow, Russian Federation, [2]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation)

019 - DISTINCT FUNCTIONAL PHENOTYPES BETWEEN MAJOR MODELS OF FOAMY MACROPHAGES: CONSEQUENCES AND IMPACT IN THE FIELD OF THERAPEUTIC RESEARCH

Julien Brevier[1]; Edouard Gerbaud[2]; Coraline Borowczyk[3]; Janaina Grevelinger[3]; Jeanny Laroche-Traineau[3]; Sébastien Marais[4]; Marie-Josée Jacobin-Valat[3]; Gisèle Clofent-Sanchez[3]; Florence Ottones[5], ([1]Université de Limoges, limoges, France, [2]Hôpital Haut Lévêque, Pessac, France, [3]university of

bordeaux, bordeaux, France, [4]Bordeaux Imaging Center, Bordeaux, France, [5]university of bordeaux, CERGY PONTOISE CEDEX 9, France)

020 - IL-7 KNOCKDOWN AGGRAVATED CHOLESTEROL ACCUMULATION IN MACROPHAGES THROUGH THE ACTIVATION OF THE ATF6 BRANCH OF THE ENDOPLASMIC RETICULUM STRESS.

Vasily Sukhorukov[1]; Victoria Khotina[2]; Vladislav Kalmykov[2]; Maryam Bagheri Ekta[1]; Alexander Orekhov[3], ([1]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [2]Institute for Atherosclerosis Research, Moscow, Russian Federation, [3]Research Institute of Human Morphology, Moscow, Russian Federation)

PROGRESSIVE EARLY CORONARY ATHEROSCLEROSIS IN THE PATIENT WITH CHRONIC PERIODONTITIS

Elena Baranova[1]; Irina Alekseeva[2]; Mariya Muzalevskaya[3]; Valeria Shurygina[4]; Irina Mikhailova[4]; Alexey Tregubov[3]; Soreiia Urazgildeeva[4], ([1]Limited Liability Company MEDICOM, Gatchina, Leningrad region, Russian Federation, [2]Center for cardiac medicine Chernaya Rechka, Saint Petersburg, Russian Federation, [3]Northwest District Scientific and Clinical Center named after L.G. Sokolov, Saint Petersburg, Russian Federation, [4]St.Petersburg State University, Saint Petersburg, Russian Federation)

THE STUDY OF THE INFLUENCE OF ANTIOXIDANTS ON VIABILITY AND RESPIRATION OF CELLS WITH ATHEROSCLEROSIS-ASSOCIATED MITOCHONDRIAL MUTATIONS.

Evgeny Bezsonov[1]; Elena Zhigmitova (Erdyneeva)[2]; Evgeny Borisov[2]; Damir Lyukmanov[3]; Nelya Yakhina[4]; Vasily Sinyov[2]; Alexander Orekhov[5], ([1]Institute of General Pathology and Pathophysiology, Moscow, Russian Federation, [2]A.P.Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [3]The Federal State Budget Educational Institution of Higher Education, Moscow, Russian Federation, [4]Pirogov Russian National Research Medical University, Moscow, Russian Federation, [5]Research Institute of Human Morphology, Moscow, Russian Federation)

HETEROPLASMY OF ATHEROSCLEROSIS-ASSOCIATED MITOCHONDRIAL DNA MUTATIONS AND ITS EFFECTS ON RESPIRATION AND VIABILITY OF CYBRIDS.

Evgeny Bezsonov[1]; Elena Zhigmitova (Erdyneeva)[2]; Evgeny Borisov[2]; Damir Lyukmanov[3]; Nelya Yakhina[4]; Natalia Zheleznyak[5]; Anastasia Vlasova[5]; Vasily Sinyov[2]; Alexander Orekhov[6], ([1]Institute of General Pathology and Pathophysiology, Moscow, Russian Federation, [2]A.P.Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [3]The Federal State Budget Educational Institution of Higher Education, Moscow, Russian Federation, [4]Pirogov Russian National Research Medical University, Moscow, Russian Federation, [5]Federal State Autonomous Educational Institution of Higher Education I.M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation, Moscow, Russian Federation, [6]Research Institute of Human Morphology, Moscow, Russian Federation)

021 - MONOCYTES OF PATIENTS WITH ASYMPTOMATIC ATHEROSCLEROSIS ARE CHARACTERIZED BY A REDUCED ABILITY TO FORM IMMUNE TOLERANCE TOWARDS LIPOPOLYSACCHARIDE

Egor Chegodaev[1]; Alexander Orekhov[2]; A Zhuravlev[3]; Marina Kubekina[4]; Nikita Nikiforov[5]; Marina Nikolaeva[6]; Alla Shabalina[7], ([1]Engelhardt Institute of Molecular Biology, Moscow, Russian Federation, [2]Research Institute of Human Morphology, Moscow, Russian Federation, [3]Institute of Human Morphology, Moscow, Russian Federation, [4]Centre of Collective Usage, Institute of Gene Biology, Moscow, Russian Federation, [5]Institute Of General Pathology And Pathophysiology, Moscow, Russian Federation, [6]Laboratory of Clinical Immunology, National Medical Research Center for Obstetrics, Moscow, Russian Federation, [7]Research Center of Neurology, Moscow, Russian Federation)

022 - SEA BUCKTHORN FRUITS – POTENTIAL LIPID-LOWERING ACTIVITY AND PREVENTIVE ROLE IN ATHEROSCLEROSIS-LINKED LOW-GRADE INFLAMMATION FROM EPITHELIAL CELLS TO LEUKOCYTES RESPONSE

Monika Czerwińska[1]; Aleksandra Wilczak[1]; Piotr Michel[2]; Matthias Melzig[3], ([1]Medical University of Warsaw, Warsaw, Poland, [2]Medical University of Lodz, Lodz, Poland, [3]Freie Universitaet of Berlin, Berlin, Germany)

023 - EARLY CAROTID ATHEROSCLEROSIS AND MIRNA EXPRESSION. A PRELIMINARY REPORT

Flavia Del Porto[1]; Noemi Cifani[1]; Pasqualino Sirignano[1]; Maurizio Taurino[1]; Maria Proietta[2], ([1]Sapienza Università di Roma, Roma, Italy, [2]AOU Sant'Andrea, Roma, Italy)

024 - SERUM IL-6 CONCENTRATION CORRELATES WITH PLAQUE VULNERABILITY AND RUPTURE IN PATIENTS WITH SEVERE CAROTID STENOSIS

Barbara Dietel[1]; Katharina Urschel[2]; Miyuki Tauchi[2]; Stephan Achenbach[2], ([1]University Hospital Erlangen, Erlangen, Germany, [2]Friedrich-Alexander University Erlangen-Nürnberg (FAU), Erlangen, Germany)

INFECTIOUS AGENT AS A TRIGGER MECHANISM OF ATHEROSCLEROSIS AND CEREBROVASCULAR DISEASES

Olena Fartushna[1]; Nataliya Turchyna[2], ([1]Ukrainian Military Medical Academy, Kyiv, Ukraine, [2]Bogomolets National medical University, Kyiv, Ukraine)

THE FREQUENCIES OF INFGAMMA-PRODUCING T-HELPERS 17 AND LP(A) CONCENTRATION IN BLOOD IN PATIENTS WITH ATHEROSCLEROSIS.

Anastasiia Filatova[1]; Alexandra Tyurina[1]; Olga Afanasieva[2]; Nataliya Ruleva[1]; Elena Klesareva[2]; Marat Ezhov[3]; Tatiana Arefieva[1], ([1]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Russian Federation, [2]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Moscow, Russian Federation, [3]Chazov National Medical Research Center of Cardiology, Ministry of Health of the Russian Federation,, Moscow, Russian Federation)

RELATIONSHIP OF THE DEGREE OF CORONARY LESION AND THE PRODUCTION OF PLASMINOGEN ACTIVATOR-1 INHIBITOR BY ADIPOCYTES OF CARDIAC LOCALIZATION IN CORONARY ARTERY DISEASE

Ekaterina Belik[1]; Olga Gruzdeva[1]; Yulia Dyleva[2]; Maxim Sinitsky[1]; Anton Sotnikov[3]; Olga Barbarash[1], ([1]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, [2]Federal State Budgetary Scientific Institution Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, [3]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, Kemerovo, Russian Federation)

025 - THE ROLE OF IRG1 IN ATHEROSCLEROSIS

Lara Haase[1]; Laura Neises[2]; Nicole Kiweler[2]; Iris Adrian[3]; Johannes Meiser[2]; Jochen Schneider[3], ([1]Luxembourg Centre for Systems Biomedicine (LCSB), Belvaux, Luxembourg, [2]Luxembourg Institute of Health, Luxembourg, Luxembourg, [3]Saarland University, Homburg, Saar, Germany)

026 - BRUTON'S TYROSINE KINASE INHIBITION TO SUPPRESS MAST CELL ACTIVATION IN ATHEROSCLEROSIS

Esmeralda Hemme; Lucie Delfos; Marie Depuydt; Mireia N A Bernabé Kleijn; Frank H Schaftenaar; Amanda Foks; Johan Kuiper; Ilze Bot, (LACDR, Leiden University, Leiden, Netherlands)

027 - HEALTHFUL NUTRITION DECREASES VULNERABILITY TO ENVIRONMENTAL POLLUTANT-INDUCED INFLAMMATORY DISEASES: IMPLICATIONS IN ATHEROSCLEROSIS

Bernhard Hennig[1]; Pan Deng[2], ([1]University of kentucky, Lexington, United States of America, [2]University of Kentucky, Lexington, United States of America)

DIAGNOSTIC VALUE OF INFLAMMATORY MEDIATORS AND EFFECTORS IN PATIENTS WITH ISCHEMIC HEART DISEASE AFTER PERCUTANEOUS CORONARY INTERVENTION

Mirjamol Zufarov[1]; Zarina Khaybullina[2]; Vadim Im[1]; Saodat Abdullayeva[1], ([1]SI "RSSPMCS named aft. acad. V.Vahidov", Tashkent, Uzbekistan, [2]Tashkent Pediatric Medical Institute, Tashkent, Uzbekistan)

MICRORNA-214-3P IN CORONARY HEART DISEASE PATIENTS WITH VARIOUS VITAMIN D SUPPLIES

Zhanna Ionova; Olga Berkovich; Jing Du, (The IP Pavlov First Saint Petersburg Medical University, Saint-Petersburg, Russian Federation)

028 - VIRIDANS STREPTOCOCCAL IMMUNOPOSITIVITY ASSOCIATES WITH CALCIFIED CORONARY PLAQUE AREA AND CORONARY STENOSIS SEVERITY. THE TAMPERE SUDDEN DEATH STUDY (TSDS)

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PRO-INFLAMMATORY CYTOKINES SECRETION BY CULTURED MONOCYTES OF OBESE PATIENTS WITH ATHEROSCLEROSIS

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MONOCYTE ACTIVATION IN PATIENTS WITH CAROTID ATHEROSCLEROSIS AND OBESITY

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MONOCYTE ACTIVATION IN ATHEROSCLEROSIS ASSOCIATED WITH AUTOIMMUNE RHEUMATIC DISEASES

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ASSOCIATION OF SUBCLINICAL ATHEROSCLEROSIS AND IL-1 SECRETION BY MONOCYTES IN PATIENTS WITH RHEUMATOID ARTHRITIS

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ANALYSIS OF COMMON DIFFERENTIALLY EXPRESSED GENES IN ATHEROSCLEROSIS AND COPD

Stanislav Kotlyarov, (Ryazan State Medical University, Ryazan, Russian Federation)

ANTIBODIES TO HERPES SIMPLEX VIRUS TYPE 1 IN PATIENTS WITH CORONARY HEART DISEASE

Yulia Kotova, (Voronezh state medical university named after N.N. Burdenko, Voronezh, Russian Federation)

029 - HIGHER ORAL PORPHYROMONAS GINGIVALIS ABUNDANCE IS ASSOCIATED WITH THE PRESENCE OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE IN HIGH-RISK PATIENTS AND IN PATIENTS WITH HETEROZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA

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MONOCYTE CHEMOATTRACTANT PROTEIN-1 SERUM LEVELS IN DEPENDING ON HISTORY OF PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH CORONARY ARTERY DISEASE WITH TYPE 2 DIABETES MELLITUS

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GUT MICROBIOTA METABOLITES AND PROINFLAMMATORY CYTOKINES LEVELS ROLE IN PATIENTS WITH ATHEROSCLEROSIS AND ATRIAL FIBRILLATION

Iryna Melnychuk; Victoriia Kramarova; Viktor Lizogub, (O.O.Bogomolets National Medical University, Kiev, Ukraine)

OUTCOME OF CARDIOVASCULAR DISEASE RISK DEFINED BY SOME INFLAMMATORY MARKERS IN YOUNG MONGOLIAN PEOPLE

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MONOCYTES WITH LOW MITOCHONDRIAL MEMBRANE POTENTIAL ARE ASSOCIATED WITH ATHEROSCLEROSIS AND SHOW SIGNS OF CELLULAR SENESCENCE

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030 - MATURE NATURAL KILLER TYPE 2 CELLS AND EXPERIMENTAL ATHEROSCLEROSIS

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NATURAL IGM RECOGNIZING OXIDATION-SPECIFIC EPITOPES BLOCK NETOSIS INDUCED BY EXTRACELLULAR VESICLES

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EFFECTS OF MINOCYCLINE IN PREVENTING THE DEVELOPMENT OF CORONARY ARTERY DISEASE IN A MURINE MODEL OF ACCELERATED ATHEROSCLEROSIS

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IL-21R BLOCKADE REDUCES ATHEROSCLEROSIS DEVELOPMENT IN LDLR-/- MICE

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031 - REDUCED CIRCULATING ANGIOGENIC T-CELL FREQUENCY CAN PREDICT SUBCLINICAL VASCULAR STIFFNESS DURING THE EARLIEST STAGE OF RHEUMATOID ARTHRITIS

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032 - GLYCA BUT NOT CRP IS AN INFLAMMATORY BIOMARKER OF LONGITUDINAL CHANGES IN BMI AND ADIPOSITY IN ADOLESCENTS WITH OBESITY

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PHAGOCYTIC ACTIVITY OF NEUTROPHILS IN ATHEROSCLEROSIS

Yuliya Saranchina; Svetlana Dutova; Oksana Kilina; Tatyana Matrosova; Nikolaj Hanarin; Tatyana Kulakova, (Katanov Khakass State University, Medical, Psychological And Social Institute, Abakan, Russian Federation)

THE ROLE OF SYSTEMIC INFLAMMATION IN REDUCING THE ELASTICITY OF THE MAIN ARTERIES IN PATIENTS WITH CHRONIC HEART FAILURE IN COMBINATION WITH OBESITY

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033 - PCSK9 IMPERCEPTIBLY AFFECTS CHEMOKINE RECEPTOR EXPRESSION IN VITRO AND IN VIVO

Sai Sahana Sundararaman[1]; Linsey Peters[2]; Sumra Nazir[2]; Andrea Bonnin-Marquez[1]; Janneke Bouma[2]; Soyolmaa Bayasgalan[3]; Yvonne Doering[3]; Emiel Van Der Vorst[1], ([1]RWTH Aachen University, Aachen, Germany, [2]Uniklinik RWTH Aachen, Aachen, Germany, [3]Ludwig-Maximilians-Universität, München, Germany)

RELATIONSHIP BETWEEN SCLEROSTIN AND CORONARY TORTUOSITY IN POSTMENOPAUSAL FEMALES WITH NON-OBSTRUCTIVE CORONARY ARTERY DISEASE

Mohamed Abdelshafy Tabl, (Benha, Egypt)

EVIDENCE OF PROATHEROGENIC INFLAMMATION IN VASCULAR ENDOTHELIUM OF CAVIAE PORCELLOUS INFECTED WITH HELICOBACTER PYLORI AND EXPOSED TO HIGH FAT DIET.

Agnieszka Krupa[1]; Agata Tomaszewska[1]; Weronika Gonciarz[2]; Magdalena Chmiela[2]; Tomasz Rechciński[3], ([1]University of Lodz, Lodz, Poland, [2]Department of Immunology and Infectious Biology, University of Lodz, Lodz, Poland, [3]Medical University of Lodz, Lodz, Poland)

034 - CORRELATION OF SALUSIN BETA WITH HS-CRP AND ADMA IN HYPERTENSIVE CHILDREN AND ADOLESCENTS

Anna Wasilewska; Elżbieta Kuroczycka-Saniutycz; Witold Olański; Urszula Kołakowska, (Medical University of Bialystok, Białystok, Poland)

035 - HIGH-THROUGHPUT SCREENING ASSAY IDENTIFIES DRUGS THAT MODULATE THE RELEASE OF VASCULO-INFLAMMATORY EXTRACELLULAR VESICLES ENRICHED IN MITOCHONDRIAL CONTENT

Lucia Zisser[1]; Taras Afonyushkin[1]; Florian Puhm[2]; Anna Ringler[3]; Stefan Kubicek[3]; Marcus Hacker[1]; Christoph Binder[1], ([1]Medical University of Vienna, Vienna, Austria, [2]Centre Hospitalier de

l'Université Laval, Quebec, Canada, [3]Research Center for Molecular Medicine (CeMM) of the Austrian Academy of Sciences, Vienna, Austria)

036 - SEX-SPECIFIC FEATURES OF HUMAN FIBRO-CALCIFIC AORTIC VALVE DISEASE

Julia Böttner; Petra Büttner; Sarah Werner; Michael Borger; Holger Thiele; Florian Schlotter, (Heart Center Leipzig, Leipzig, Germany)

THE EFFECT OF ALPHA-KETOGLUTARATE ON PHOSPHATE AND HYPOXIA INDUCED CALCIFICATION OF VASCULAR SMOOTH MUSCLE CELLS

Dávid Máté Csiki; Andrea Tóth; Gréta Lente; Enikő Balogh; Viktória Jeney, (University of Debrecen, Debrecen, Hungary)

ACTIVATION OF WNT-DEPENDENT MECHANISMS OF OSTEOGENIC DIFFERENTIATION OF VALVE INTERSTITIAL CELLS TO SUPPRESS THE CALCIFYING PHENOTYPE

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SMAD2 LINKER REGION: TARGET FOR GLYCOSAMINOGLYCAN CHAIN ELONGATION AND LIPID RETENTION.

Danielle Kamato, (The university of queensland, Brisbane, Australia)

REGULATION OF MDM2 E3 LIGASE-DEPENDENT VASCULAR CALCIFICATION BY MSX1/2

Duk-Hwa Kwon[1]; Nakwon Choe[1]; Sera Shin[1]; Juhee Ryu[2]; Yongwoon Lee[1]; Anna Jeong[3]; Yun-Gyeong Lee[1]; Eun-Mi Kim[1]; Young-Kook Kim[1]; Hyun Kook[1], ([1]Chonnam National University Medical School, Hwasun, Korea, Republic of, [2]Kyungpook National University, Daegu, Korea, Republic of, [3]Chonnam National University Medical School, Hwasun-gun, Korea, Republic of)

037 - SERUM OSTEOCALCIN FORMS AND OSTEOCALCIN-EXPRESSING ENDOTHELIAL PROGENITOR CELLS ARE INDEPENDENT BIOMARKERS OF CORONARY ATHEROSCLEROTIC DISEASE SEVERITY

Hosam Shahrour[1]; Sahar Al Fahom[2]; Ghassan Al-Massarani[2]; Ahmad Alsaadi[1]; Paolo Magni[3], ([1]Damascus University, Damascus, Syria, [2]Atomic Energy Commission of Syria, Damascus, Syria, [3]Universita' degli Studi di Milano, Milan, Italy)

CIRCULAR RNA REGULATES VASCULAR CALCIFICATION BY ACTING AS A MIRNA SPONGE IN VASCULAR SMOOTH MUSCLE CELLS

Juhee Ryu[1]; Nakwon Choe[2]; Duk-Hwa Kwon[2]; Sera Shin[2]; You Mie Lee[1]; Young-Kook Kim[2]; Hyun Kook[2], ([1]Kyungpook National University, Daegu, Korea, Republic of, [2]Chonnam National University Medical School, Hwasun, Korea, Republic of)

038 - PROTEIN CARBAMYLATION ASSOCIATES WITH COLLAGEN IN ATHEROSCLEROTIC PLAQUE AND IMPACTS MACROPHAGE FUNCTIONS

Valeria Saar-Kovrov[1]; Aleksandra Pawlowska[2]; Juliane Hermann[3]; Marion Gijbels[4]; Judith Sluimer[4]; Vera Jankowski[3]; Marjo Donners[4]; Joachim Jankowski[3]; Erik Biessen[5], ([1]Maastricht University, Maastricht, Netherlands, [2]Zuyd University of Applied Sciences, Heerlen, Netherlands, [3]Uniklinik Aachen, Aachen, Germany, [4]Maastricht UMC+, Maastricht, Netherlands, [5]RWTH Aachen University, Aachen, Germany)

DIFFERENTIAL EXPRESSION OF EXTRACELLULAR MATRIX-RELATED GENES IN TISSUE OF STABLE AND UNSTABLE ATHEROSCLEROTIC PLAQUES

Elena Shakhtshneider[1]; Dinara Ivanoshchuk[1]; Veniamin Fishman[1]; Yuliya Ragino[2]; Yana Polonskaya[2]; Elena Kashtanova[2]; Alexandr Chernyavsky[1]; Ivan Murashov[1]; Mikhail Voevoda[1], ([1]Institute of Internal and Preventive Medicine - Branch of the ICG SB RAS, Novosibirsk, Russian

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SUPPRESSION OF BNIP3-MEDIATED MITOPHAGY PROMOTES AGES-INDUCED VSMC CALCIFICATION BY ACTIVATING OXIDATIVE STRESS

Xue-Jiao Sun, (School of Medicine, Southeast University, nanjing, China)

DAPRODUSTAT ACCELERATES HIGH PHOSPHATE-INDUCED CALCIFICATION THROUGH THE ACTIVATION OF ENDOPLASMIC RETICULUM STRESS

Andrea Tóth; Dávid Máté Csiki; Enikő Balogh; Gréta Lente; Viktória Jeney, (University of Debrecen, Debrecen, Hungary)

039 - CHANGES IN INTRA- AND EXTRACRANIAL CAROTID PLAQUE CALCIFICATION: A TWO-YEAR FOLLOW-UP STUDY.

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040 - EFFECTS OF ASPERGLAUCIDE ON ENDOTHELIUM FUNCTION IN 2K1C HYPERTENSIVE RATS

Mutay Aslan; Filiz Basralı; Pınar Ülker; Tuğçe Çeker; Nur Özen; Çağatay Yılmaz; Özlem Elpek, (Akdeniz University, Antalya, Turkey)

041 - THE GREEN TEA POLYPHENOL, (−)-EPIGALLOCATECHIN (EGC), IMPROVES INFLAMMATORY PHENOTYPE OF PERIVASCULAR ADIPOSE TISSUE BY OXIDIZING HYDROGEN SULFIDE (H2S) TO POLYSULFIDES (H2SN)

Jerzy Beltowski, (Medical University of Lublin, Lublin, Poland)

042 - VASCULAR WALL DAMAGE IN ATHEROSCLEROTIC CARDIOVASCULAR DISEASE; POSITIVE EFFECT OF EXTRACELLULAR VESICLE-BASED NANOTHERAPEUTICS ON ENDOTHELIAL DYSFUNCTION AND ITS KEY MOLECULAR PLAYERS

Karla Comarita[1]; Alina Constantin[2]; Alexandra Vîlcu[2]; Anastasia Procopciuc[2]; Florentina Safciuc[2]; Nicoleta Alexandru[2]; Emanuel Dragan[2]; Miruna Nemecz[2]; Alexandru Filippi[3]; Adriana Georgescu[2], ([1]Institute Of Cellular Biology And Pathology Nicolae Simionescu, BUCURESTI, Romania, [2]Institute Of Cellular Biology And Pathology Nicolae Simionescu, Bucharest, Romania, [3]Carol Davila' University of Medicine and Pharmacy, Bucharest, Romania)

043 - SEX HORMONE RECEPTOR PATHWAY IS ASSOCIATED WITH CAROTID PLAQUE INSTABILITY IN MEN

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SERUM PROTEIN EXPRESSION PROFILING IN PATIENTS WITH SEVERE ATHEROSCLEROSIS WITH BIOMARKERS OF SIGNALING PATHWAYS EVALUATION.

Nadezhda Gumanova[1]; Marina Klimushina[1]; Natalya Bogdanova[1]; Victoria Metelskaya[2], ([1]Natioanl Medical Center for Preventive Medicine, Moscow, Russian Federation, [2]National Medical Center for Preventive Medicine, Moscow, Russian Federation)

GENETIC AND EPIGENETIC INTERACTION IN STABILIZATION MECHANISM OF HIGHLY CALCIFIED CAROTID PLAQUES

Hiroyuki Katano; Mitsuhito Mase, (Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

ASSOCIATION OF SIRT6 SNP RS107251 WITH HYPOECHOIC CAROTID PLAQUE: AN EXPLORATORY STUDY

Ana Kolakovic[1]; Tamara Djuric[1]; Igor Koncar[2]; Ivan Zivotic[1]; Ana Djordjevic[1]; Maja Zivkovic[1], ([1]Vinca Institute of Nuclear Sciences -National institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia, Belgrade, Serbia, [2]Clinical Centre of Serbia, Medical Faculty, University of Belgrade, Belgrade, Serbia, Belgrade, Serbia)

B LYMPHOCYTE-DEFICIENCY IN MICE CAUSES VASCULAR DYSFUNCTION BY INDUCING NEUTROPHILIA

Ning Xia[1]; Solveig Hasselwander[1]; Gisela Reifenberg[1]; Alice Habermeier[1]; Ellen Closs[1]; Maximilian Mimmler[1]; Rebecca Jung[1]; Susanne Karbach[1]; Jérémy Lagrange[1]; Philip Wenzel[1]; Andreas Daiber[1]; Thomas Münzel[2]; Nadine Hövelmeyer[1]; Ari Waisman[1]; Huige Li[1], ([1]Johannes Gutenberg University Medical Center, Mainz, Germany, [2]University Medical Center Mainz, Mainz, Germany)

CONTRAST-ENHANCED MAGNETIC RESONANCE IMAGING ASSESSMENT OF RELATIONSHIP OF AORTIC ATHEROSCLEROSIS AND SEVERITY OF MYOCARDIAL INJURY DUE TO INFARCTION

Aleksandra Maksimova[1]; Irina Bukhovets[1]; Mikhail Kuznetsov[1]; Boris Kozlov[2]; Tatyana Shelkovnikova[1]; Nadezhda Ryumshina[3]; Wladimir Ussov[1], ([1]Tomsk National Research Medical Center, Tomsk, Russian Federation, [2]Research Institute for Cardiology, Tomsk, Russian Federation, [3]Tomsk National Research Medical Center of Russian Academy of Sciences, Tomsk, Russian Federation)

THE RELATIONSHIP BETWEEN EPIGENETIC AGE AND MYOCARDIAL INFARCTION IN A POPULATION BASED CASE-CONTROL STUDY

Sofia Malyutina[1]; Olga Chervova[2]; Taavi Tillmann[2]; Vladimir Maksimov[3]; Valery Gafarov[4]; Andrew Ryabikov[1]; Jaroslav Hubacek[5]; Hynek Pikhart[2]; Stephan Beck[2]; Martin Bobak[2], ([1]Institute of Internal and Preventive Medicine - Branch of Institute of Cytology and Genetics SB RAS, Novosibirsk, Russian Federation, [2]University College London, London, United Kingdom, [3]Research Institute of Internal and Preventive Medicine – Branch of the Institute of Cytology and Genetics, Novosibirsk, Russian Federation, [4]Institute of Internal and Preventive Medicine – branch of Institute of Cytology and Genetics RAS, Novosibirsk, Russian Federation, [5]General University Hospital, Prague, Czech Republic)

A NEW ANIMAL FEMORAL ARTERY MODEL OF LOCALIZED INTERMEDIATE STAGE OF ATHEROSCLEROSIS USING FOCUSED ULTRASOUND- MEDIATED INERTIAL CAVITATION-INDUCED INJURY AND HIGH- CHOLESTEROL DIET INJURY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

044 - SINGLE-CELL AND SPATIALLY RESOLVED TRANSCRIPTOME ANALYSIS REVEALS CELLULAR HETEROGENEITIES AND NOVEL REGULATORS OF ATHEROSCLEROTIC PLAQUE DESTABILIZATION

Jessica Pauli[1]; Zhiyuan Wu[1]; Chika Yokota[2]; Greg Winski[3]; Valentina Paloschi[1]; Anne Dueck[1]; Stefan Engelhardt[1]; Hans-Henning Eckstein[1]; Muredach Reilly[4]; Lars Maegdefessel[1], ([1]Klinikum rechts der Isar der Technischen Universität München, München, Germany, [2]Stockholm University, Stockholm, Sweden, [3]Karolinska Institute, Stockholm, Sweden, [4]Columbia Universtiy Irving Medical Center, New York, United States of America)

AGE-ASSOCIATED CHANGES IN THE VASCULAR WALL IN PATIENTS WITH ARTERIAL HYPERTENSION WITH SUBCLINICAL HYPOTHYROIDISM

Olena Kolesnikova[1]; Anastasiia Radchenko[2]; Olga Zaprovalna[1]; Anna Potapenko[1], ([1]Government Institution "L. T. Mala National Institute of Therapy of the NAMS of Ukraine, Kharkiv, Ukraine, [2]Department of the Study of Aging and Metabolic Associated Diseases, Government Institution "L. T. Mala National Institute of Therapy of the NAMS of Ukraine", L. Maloi Ave., 2a, 61039, Kharkiv, Ukraine, Kharkiv, Ukraine)

A MATHEMATICAL MODEL FOR THE STUDY OF VASCULAR EROSION CAUSED BY ATHEROSCLEROSIS

Manuel Salinas, (Nova Southeastern University, Davie, United States of America)

TELOMERE LENGTH IN ATHEROSCLEROTIC LESIONS OF HUMAN AORTIC INTIMA

Igor Sobenin[1]; Zukhra Khasanova[1]; Taisiya Tolstik[2]; Ulyana Zotova[3]; Alexander Markin[2]; Natalya Doroshchuk[1], ([1]National Medical Research Center of Cardiology, Moscow, Russian Federation, [2]Research Institute of Human Morphology, Moscow, Russian Federation, [3]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation)

045 - FEATURES OF GLOBAL LONGITUDINAL DEFORMATION OF THE LEFT VENTRICLE IN RELATION TO CORONARY AND CAROTID ATHEROSCLEROSIS IN PATIENTS WITH CORONARY ARTERY DISEASE

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CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY-DERIVED ENDOTHELIAL SHEAR STRESS IN MYOCARDIAL BRIDGING

Andreas Giannopoulos[1]; Basil Bolt[1]; Dominik Benz[1]; Michael Messerli[1]; Moritz Schwyzer[1]; Elia Von Felten[1]; Christel Kamani[2]; Dimitri Patriki[1]; Cathrine Gebhard[1]; Aju Pazhenkottil[1]; Christoph Graeni[3]; Philipp Kaufmann[1]; Ronny Buechel[1]; Oliver Gaemperli[4], ([1]University Hospital Zurich, Zurich, Switzerland, [2]CHUV, Lausanne, Switzerland, [3]Universitätsspital Bern, Bern, Switzerland, [4]Hirslanden Clinic, Zurich, Switzerland)

RELATIONSHIP BETWEEN LOW DENSITY LIPOPROTEIN CHOLESTEROL AND LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WITH ARTERIAL HYPERTENSION

Olha Chernatska, (Sumy State University, Sumy, Ukraine)

ATHEROSCLEROSIS ASSOCIATED WITH HIV - IS IT A RESULT OF TREATMENT OR INFLAMMATION?

Nuriyat Efendieva; Oleg Shevchenko; Alexey Sozykine, (Russian National Research Medical University, Moscow, Russian Federation)

046 - EMBEDDING AND BACKSCATTERED SCANNING ELECTRON MICROSCOPY (EM-BSEM): A NOVEL APPROACH FOR THE WHOLE-SPECIMEN, ULTRASTRUCTURAL ANALYSIS OF CARDIOVASCULAR TISSUES

Rinat Mukhamadiyarov; Leo Bogdanov; Tatiana Glushkova; Daria Shishkova; Vladislav Koshelev; Alexey Frolov; Alexander Stasev; Anton Lyapin; Alexey Evtushenko; Anton Kutikhin, (Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

THE RELATIONSHIPS OF MYOCARDIAL BLOOD FLOW AND RESERVE WITH LIPID LEVELS IN PATIENTS WITH NON-OBSTRUCTIVE CORONARY ARTERY DISEASE: DYNAMIC SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY STUDY

Alina Maltseva; Kristina Kopeva; Andrew Mochula; Elena Grakova; Konstantin Zavadovsky, (Cardiology Research Institute, Tomsk National Research Medical Center, Russian Academy of Sciences, Tomsk, Russian Federation)

THE RELATIONSHIP BETWEEN ENDOTHELIAL DYSFUNCTION AND CARDIOVASCULAR DISEASES AND RISK FACTORS IN THE ELDERLY POPULATION

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047 - ACHILLES TENDON ULTRASOUND IN THE DIAGNOSIS OF HETEROZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA (HEFH).

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048 - RELATIONSHIP BETWEEN MAGNETIC RESONANCE IMAGING OF INTRAMUSCULAR ADIPOSE TISSUE (IMAT) VALUES AND SERUM ADIPOKINES LEVEL AMONG OBESE POPULATION

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EVALUATION OF HIGH- DOSE ATORVASTATIN- MEDIATED SHOCK WAVE SONOPORATION THERAPY ON ADVANCED ATHEROSCLEROSIS WITH VULNERABLE ATHEROMATOUS PLAQUE USING MAGNETIC RESONANCE IMAGING AND HISTOPATHOLOGY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

EFFECT OF HIGH- INTENSITY EXERCISE ON BIOMECHANICAL PARAMETERS OF HEALTHY HUMAN SUBJECTS COMMON CAROTID ARTERY USING A NEW ULTRASOUND IMAGE PROCESSING SOFTWARE- BASED AUTOMATIC METHOD

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TREATMENT OF VULNERABLE PLAQUE USING COMBINED HIGH-DENSITY LIPOPROTEIN AND PENTOSTATIN- LOADED MICROBUBBLES- MEDIATED SHOCK WAVE SONOPORATION THERAPY: EVALUATION WITH POSITRON EMISSION TOMOGRAPHY IMAGING AND HISTOPATHOLOGY

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RELATIONSHIP BETWEEN THE AREA OF AMPLIFICATION OF THE MAGNETIC RESONANCE SIGNAL AND THE DEFORMATION CHARACTERISTICS OF THE LV IN PATIENTS WITH STEMI

Valentin Oleynikov; Elena Averyanova; Natalia Donetskaya; Vera Galimskaya; Anastasia Babina; Alena Golubeva, (Penza State University, Penza, Russian Federation)

INDICATORS OF CENTRAL PRESSURE AND ARTERIAL STIFFNESS IN PATIENTS WITH MYOCARDIAL INFARCTION DEPENDING ON THE CONTRACTILE FUNCTION OF THE LEFT VENTRICLE

Valentin Oleynikov; Luidmila Salyamova; Angelina Khromova; Olga Kvasova; Irina Matrosova; Marina Lukyanova, (Penza State University, Penza, Russian Federation)

049 - COMBINATION OF OPTICAL COHERENCE TOMOGRAPHY AND MALDI MASS SPECTROMETRY IMAGING TO CHARACTERIZE CORONARY ARTERY LIPIDS IN AN ATHEROSCLEROTIC SWINE MODEL

Francesca Razzi[1]; Nuria Slijkhuis[2]; Dirk-Jan Duncker[1]; Jolanda Wentzel[2]; Volkert Van Steijn[3]; Gijs Van Soest[2]; Heleen Van Beusekom[2], ([1]Erasmus MC, Rotterdam, Netherlands, [2]Erasmus Medical Center, Rotterdam, Netherlands, [3]TU Delft, Delft, Netherlands)

050 - OCULAR MICROCIRCULATION BLOOD FLOW ACUTELY INCREASES UPON CHOLESTEROL REMOVAL. THE EYES MIRROR OF THE HEART?

Tiziana Sampietro[1]; Beatrice Dal Pino[1]; Federico Bigazzi[2]; Francesco Sbrana[3]; Andrea Ripoli[1]; Enrica Fontanelli[4]; Mascia Pianelli[1]; Roberta Luciani[1]; Antonio Lepri[4]; Giacomo Calzetti[5], ([1]Fondazione Toscana "Gabriele Monasterio", Pisa, Italy, [2]Fondazione Toscana "Gabriele Monastario", Pisa, Italy, [3]Fondazione Toscana, Pisa, Italy, [4]Azienda Ospedaliero Universitaria Pisana, Pisa, Italy, [5]Università di Parma, Parma, Italy)

051 - CORONARY MICROCIRCULATORY BLOOD FLOW SIGNIFICANTLY INCREASES UPON ACUTE AND CHRONIC CHOLESTEROL LOWERING. EVALUATION BY CADMIUM-ZINC-TELLURIDE CARDIAC IMAGING STRESS TEST

Tiziana Sampietro[1]; Francesco Sbrana[2]; Beatrice Dal Pino[1]; Federico Bigazzi[3]; Andrea Ripoli[1]; Paolo Marzullo[3]; Alessia Gimelli[3], ([1]Fondazione Toscana "Gabriele Monasterio", Pisa, Italy, [2]Fondazione Toscana, Pisa, Italy, [3]Fondazione Toscana "Gabriele Monastario", Pisa, Italy)

ASSOCIATION OF MYOCARDIAL INJURY BIOMARKERS AND CARDIOVASCULAR MAGNETIC RESONANCE PARAMETERS IN STEMI PATIENTS TREATED WITH PRIMARY PCI

Agneta Virbickiene[1]; Lina Padervinskiene[2]; Rita Kreckauskiene[2]; Paulius Bucius[2]; Justina Jureviciute[2]; Antanas Jankauskas[2]; Olivija Gustiene[2]; Tomas Lapinskas[2], ([1]Hospital of Lithuanian University of Health Sciences Kaunas Clinics, 50161, Lithuania, [2]Hospital of Lithuanian University of Health Sciences Kaunas Clinics, Kaunas, Lithuania)

INFLUENCE OF PSYCHOLOGICAL STRESS TO PLATELET ACTIVATION AND FATTY ACID COMPOSITION IN PLATELET PHOSPHOLIPID MEMBRANE

Inga Bikulčienė[1]; Monika Pošiūnaitė[1]; Aušra Linkevičiūtė-Dumčė[1]; Aušra Janiulionienė[2]; Rėda Matuzevičienė[1]; Dovilė Karčiauskaitė[1]; Arvydas Kaminskas[1], ([1]Vilnius University, Vilnius, Lithuania, [2]Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania)

052 - THE APPLICATION OF QUARTZ CRYSTAL MICROBALANCE WITH DISSIPATION MONITORING (QCM-D) TO STUDY ADHESION OF PLATELETS UNDER FLOW CONDITIONS

Katarzyna Derszniak; Szczepan Zapotoczny; Maria Nowakowska; Stefan Chlopicki, (Jagiellonian University, Kraków, Poland)

FEATURES OF THE PRODUCTION OF PLASMINOGEN ACTIVATOR INHIBITOR-1 BY LOCAL FAT DEPOTS OF VARIOUS LOCALIZATION IN CARDIOVASCULAR DISEASES

Olga Gruzdeva[1]; Ekaterina Belik[1]; Yulia Dyleva[2]; Maxim Sinitsky[1]; Anton Sotnikov[3]; Olga Barbarash[1], ([1]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, [2]Federal State Budgetary Scientific Institution Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, [3]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, Kemerovo, Russian Federation)

IS TOTAL THROMBUS-FORMATION SYSTEM (T-TAS) THE BEST TECHNIQUE FOR DETECTION ASPIRIN AND CLOPIDOGREL RESISTANCE IN THROMBOTIC PATIENTS?

Hassan Mansouritorghaveh, (Mashhad University of Medical Sciences, Mashhad, Iran)

053 - EXPOSURE TO PERFLUOROALKYL SUBSTANCES AND CARDIOVASCULAR DISEASE: EXPERIMENTAL AND EPIDEMIOLOGICAL EVIDENCE IN INDIA

Nitin Verma, (Chitkara University, Himachal Pradesh, Baddi, India)

GENETIC EXPRESSION AND IMMUNOFLUORESCENCE MAPPING OF NAV1 HIGHLIGHT POTENTIAL THERAPEUTIC TARGETS IN ANTI-INFLAMMATORY TREATMENT OF AORTIC VALVES STENOSIS.

David Hupin[1]; Magnus Bäck[2], ([1]University Hospital of Saint-Etienne, Saint-Etienne, France, [2]karolinska Institutet, Stockholm, Sweden)

054 - PROTEOMIC PROFILING REVEALS UNIQUE SIGNATURES OF STRUCTURAL BIOPROSTHETIC VALVE DETERIORATION

Arseniy Lobov[1]; Alexander Kostyunin[2]; Tatiana Glushkova[2]; Daria Shishkova[2]; Bozhana Zainullina[1]; Evgeny Ovcharenko[2]; Alexander Stasev[2]; Alexey Evtushenko[2]; Anton Kutikhin[2], ([1]Research Institute of Cytology, St. Petersburg, Russian Federation, [2]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

CORRELATION BETWEEN AORTIC VALVE CALCIFICATION AND ROUTINE LABORATORY TEST RESULTS IN PATIENTS WITH AORTIC VALVE SCLEROSIS.

Symeon Evangelos Mavroudeas[1]; Dimitris Tzalas[1]; Despina Kyriakopoulou[1]; Mirsini Stasinopoulou[2]; Kanela Sotirakou[3]; Irene Feskou[2]; George Benetos[1]; Panagiotis Toskas[1]; Sotirios Tsalamandris[1]; Spiridon Maragoudakis[4]; Spiridon Tsiamis[3]; Konstantinos Tsioufis[1]; Konstantinos Toutouzas[1], ([1]Hippokratio University Hospital Athens Greece, Athens, Greece, [2]Agios Savvas General Hospital, Athens, Greece, [3]Elpis General Hospital, Athens, Greece, [4]PAGNI Hospital, Athens, Greece)

CARDIAC VALVES CALCIFICATION AND HDL-C IN PATIENTS WITH AORTIC VALVE SCLEROSIS

Symeon Evangelos Mavroudeas[1]; Despina Kyriakopoulou[1]; Dimitris Tzalas[1]; Mirsini Stasinopoulou[2]; Maria Drakopoulou[1]; Panagiotis Toskas[1]; Nikos Anousakis[1]; Sotirios Tsalamandris[1]; Spiridon Maragoudakis[3]; Spiridon Tsiamis[4]; Konstantinos Tsioufis[1]; Konstantinos Toutouzas[1], ([1]Hippokratio University Hospital Athens Greece, Athens, Greece, [2]Agios Savvas General Hospital, Athens, Greece, [3]PAGNI Hospital, Athens, Greece, [4]Elpis General Hospital, Athens, Greece)

055 - NO EFFECT OF RADIATION-RELATED CLONAL HEMATOPOIESIS DRIVEN BY PPM1D MUTATIONS ON EXPERIMENTAL ATHEROSCLEROSIS DEVELOPMENT

Marta Amorós-Pérez[1]; Virginia Zorita[2]; Rosa Moro-Moro[3]; Nuria Matesanz[4]; Vanesa Viana-Huete[5]; Alba Ferrer-Pérez[3]; Jose Fuster[5], ([1]CNIC, Madrid, Spain, [2]Centro Nacional Investigaciones Cardiovasculares (CNIC), Madrid, Spain, [3]Spanish National Center for Cardiovascular Research (CNIC), Madrid, Spain, [4]Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain, [5]Spanish National Center for Cardiovascular Disease (CNIC), Madrid, Spain)

DEPICTION OF SOMATIC STRUCTURAL VARIATIONS IN ATHEROSCLEROTIC PLAQUE THROUGH WHOLE-EXOME SEQUENCING

Alexei Sleptcov; Alexei Zarubin; Maria Nazarenko, (Tomsk National Research Medical Center of Russian Academy of Sciences, Tomsk, Russian Federation)

SUBCLINICAL CAROTID ATHEROSCLEROSIS IN THE CONDITIONS OF ROTATIONAL SHIFT WORK IN THE ARCTIC: DATA OF PREVENTIVE EXAMINATION

Nina Shurkevich; Alexander Vetoshkin; Lyudmila Gapon; Ani Simonyan; Maria Kareva, (Tyumen Cardiology Research Center, Tomsk National Research Medical Center, Russian Academy of Science, Tomsk, Tyumen, Russia, Russian Federation)

MODELING OF HEMODYNAMICALLY SIGNIFICANT ATHEROSCLEROTIC STENOSIS OF MAIN ARTERIES IN EXPERIMENTAL CARDIOLOGY

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EFFECT OF HIGH- INTENSITY EXTREMELY LOW FREQUENCY MAGNETIC FIELD ON THE INTERMEDIATE STAGE ATHEROSCLEROTIC PLAQUE REMODELING: MONITORED BY HISTOPATHOLOGY AND COLOR DOPPLER ULTRASONOGRAPHY

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056 - UNCOVERING THE LINK BETWEEN ATHEROSCLEROSIS, WALL STRAIN AND VASA VASORA

Hanane Belhoul-Fakir[1]; Susan Wu[2]; Yen Yeow[2]; Gabrielle Musk[3]; Helen Kershaw[3]; Christopher Lagat[4]; Brian Evans[4]; Michael Brown[5]; Juliana Hamzah[2]; Shirley Jansen[5], ([1] Kingsley, Australia, [2]Harry Perkins Medical Research Institute, Nedlands, Australia, [3]University of Western Australia, Perth, Australia, [4]Curtin university, Perth, Australia, [5]Curtin University, Perth, Australia)

SEQ-1 PEPTIDE A KEY COMPONENT OF NASAL THERAPEUTIC VACCINE HB-ATV-8 PROMOTES DOWNREGULATION OF PRO-FIBROTIC GENES IN THE HEPATOCYTE

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057 - DIETARY CHOLINE SUPPLEMENTATION INCREASES THE PLASMA CONCENTRATION OF SEVERAL AMINO ACIDS DURING ATHEROSCLEROSIS DEVELOPMENT

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058 - LIVER FIBROSIS DEVELOPMENT AFFECTS TISSUE AND SOLUBLE ENDOGLIN IN MICE

Samira Eissazadeh[1]; Fatemeh Alaei Faradonbeh[2]; Ivone Igreja Sá[3]; Ivana Němečková[3]; Katarína Tripská[4]; Martina Vašinová[3]; Barbora Vitverová[3]; Jana Rathouská[3]; Petr Nachtigal*[5], ([1]Charels University- Faculty of Pharmacy, Hradec Kralove, Czech Republic, [2]Charles University, Faculty of Medicine in Hradec Králové, Hradec Kralove, Czech Republic, [3]Faculty of Pharmacy, Charels University, Hradec Kralove, Czech Republic, [4]Charles University - Faculty Of Pharmacy In Hradec Kralove, Hradec Králové, Czech Republic, [5]Charles University, Faculty of Pharmacy in Hradec Kralove, Hradec Kralove, Czech Republic)

MOLECULAR MODELING REVEALED SETILEUTON AS A POTENTIAL MULTI-TARGET DRUG FOR ATHEROSCLEROSIS

Lamiae Elkhattabi[1]; Anas Kettani[2]; Abdelhamid Barakat[3]; Rachid Saile[2], ([1]University hassan II CASABLANCA, Casablanca, Morocco, [2]Faculty of Sciences Ben M'Sik, Hassan II University of Casablanca, Casablanca, Morocco, [3]Institut Pasteur du Maroc, casablanca, Morocco)

059 - ISFAHAN TWIN COHORT: A TEN YEARS' LONGITUDINAL PROSPECTIVE STUDY BASED ON A TWIN REGISTRY

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RELATIONSHIP BETWEEN EPICARDIAL AND CORONARY ADIPOSE TISSUE SIZE AND ADIPOCYTOKINE EXPRESSION IN PATIENTS WITH CORONARY HEART DISEASE

Yulia Dyleva[1]; Olga Gruzdeva[2]; Ekaterina Belik[2]; M Sinitskiy[1]; Alexander Stasev[2]; Aleksandr Kokov[1]; Olga Barbarash[2], ([1]Federal State Budgetary Scientific Institution Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, [2]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

ADIPOCYTOKINE PROFILE OF LOCAL FAT DEPOTS OF THE HEART AND CALCIFICATION OF CORONARY ARTERIES IN PATIENTS WITH CORONARY ARTERY DISEASE

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IN PATIENTS WITH CARDIOVASCULAR DISEASE AND HEART FAILURE DENTAL STATE (TOOTH LOSS) MAY EXACERBATE INFLAMMATORY SYNDROME

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060 - AGE-DEPENDENT DIFFERENCES IN CORONARY ATHEROSCLEROSIS BETWEEN WOMEN AND MEN WHO DIED SUDDENLY OUT-OF-HOSPITAL

Emma Hakamaa[1]; Pekka Karhunen[2]; Sirkka Goebeler[3]; Mika Martiskainen[3]; Anne-Mari Louhelainen[3]; Katja Ahinko[4]; Terho Lehtimäki[2], ([1]Semmelweiss University, Budapest, Hungary, [2]Tampere University, Tampere, Finland, [3]Finnish Institute for Health and Wellfare, Helsinki, Finland, [4]Tampere University Hospital, Tampere, Finland)

ASYMMETRIC DIMETHYLARGININE (ADMA) MEDIATES THE EFFECT OF MIRNA-762 ON ALL-CAUSE MORTALITY IN PATIENTS WITH CORONARY ARTERY DISEASE

Natalia Jarzebska[1]; Sergey Tselmin[1]; Marcus Kleber[2]; Winfried Maerz[3]; Hong Jin[4]; Stefan Bornstein[1]; Arduino Mangoni[5]; Norbert Weiss[1]; Roman Rodionov[1], ([1]Technische Universität Dresden, Dresden, Germany, [2]Heidelberg University, Heidelberg, Germany, [3]Medical University of Graz, Graz, Austria, [4]Karolinska Institutet, Solna, Sweden, [5]Flinders University and Flinders Medical Center, Adelaide, Australia)

CREATION OF A MODEL OF TRANSGENIC MICE OVERPRODUCERS OF SIALIDASE

Alexander Markin[1]; Vladislav Kalmykov[2]; Dmitry Kashirskikh[3]; Igor Sobenin[4]; Alexander Orekhov[1], ([1]Research Institute of Human Morphology, Moscow, Russian Federation, [2]Institute for Atherosclerosis Research, Moscow, Russian Federation, [3]Institute of General Pathology and Pathophysiology, Moscow, Russian Federation, [4]National Medical Research Center of Cardiology, Moscow, Russian Federation)

061 - INVESTIGATION OF THE ANTIOXIDANT AND ANTI-INFLAMMATORY POTENCY OF ECHINACEA ANGUSTIFOLIA EXTRACT

Konstantina Karavasili[1]; Despoina Pantazi[2]; Louisa Pechlivani[2]; Eirini Maria Bata[3]; Panagiotis Stathopoulos[3]; Alexios-Leandros Skaltsounis[3]; Alexandros Tselepis[4], ([1] Ioannina, Greece, [2]Atherothrombosis Research Centre/Laboratory of Biochemistry, Ioannina, Greece, [3]Division of Pharmacognosy & Natural Products Chemistry, Athens, Greece, [4]University of Ioannina, Ioannina, Greece)

A MULTIPLE CASE STUDY OF THE EFFECT OF PHYSICAL ACTIVITY BEFORE AND AFTER COVID 19 ON PULSE WAVE VELOCITY IN BLIND PEOPLE LIVING INDEPENDENTLY

Akira Kimura; Itsuki Takada, (GUNMA PAZ UNIVERSITY, Takasaki, Japan)

062 - ANTIOXIDANT AND ANTI-INFLAMMATORY EFFECTS OF ROSMARINUS OFFICINALIS AND MELISSA OFFICINALIS ETHANOLIC EXTRACTS

Ioannis Koutsaliaris[1]; Iraklis Moschonas[2]; Christina Papaemannouil[3]; Aikaterini Tsouka[2]; Andreas Tzakos[3]; Alexandros Tselepis[1], ([1]University of Ioannina, Ioannina, Greece, [2]Atherothrombosis Research Centre, Ioannina, Greece, [3]Laboratory of Organic Chemistry, Ioannina, Greece)

063 - VEGF-A LEVELS AND G634C GENE POLYMORPHISM AS A PREDICTOR OF ADVERSE OUTCOMES IN PATIENTS WITH STEMI

Inna Kutya[1]; Iulia Rodionova[1]; Mykola Kopytsya[2]; Yaroslava Hilova[1], ([1]Government Institution "I.t.malaya Therapy National Institdepartment Of Prevention And Treatment Of Emergency Conditions, Kharkiv, Ukraine, [2]The Government Institution "National Institute of Therapy named by L.T. Malaya of National Ukrainian Academy of Medical Science",, Kharkov, Ukraine)

064 - EXTRACELLULAR VESICLES ENRICHED IN PCSK9 ARE INDICATIVE OF PRO-ATHEROGENIC PHENOTYPE - IN VITRO AND IN VIVO EVIDENCE

Chiara Macchi[1]; Maria Francesca Greco[1]; Marco Cafora[2]; Cristina Banfi[3]; Cesare Sirtori[1]; Alberto Corsini[4]; Anna Pistocchi[2]; Nicola Ferri[5]; Valentina Bollati[6]; Massimiliano Ruscica[1], ([1]University of Milan, Milan, Italy, [2]Università degli Studi di Milano, Milan, Italy, [3]Centro Cardiologico Monzino, Milano,

Italy, [4]UNIVERSITY OF MILAN, MILAN, Italy, [5]Universitá degli Studi di Padova, Padova, Italy, [6]Università degli Studi di Milano, Milano, Italy)

065 - COVID-19 AND CARDIOVASCULAR SYSTEM: NOT ONLY HEART BUT ALSO VASCULAR. THE EFFECTS OF THE INFECTION ON ARTERIAL STIFFNESS

Alessandro Maloberti; Elena Gualini; Sara Scarpellini; Michela Algeri; Marco Biolcati; Enzo Grasso; Chiara Tognola; Antonella Moreo; Cristina Giannattasio, (ospedale niguarda, milano, Italy)

FT-IR SPECTROSCOPIC STUDY OF ATHEROMATIC PLAQUE FORMATION AND THE RISK OF COVID-19 MORTALITY OF PATIENTS WITH CARDIOVASCULAR DISEASES. A MATHEMATICAL SIMULATION APPROACH

Ioannis Mamarelis[1]; Jane Anastassopoulou[2]; E Mylonas[3]; Vasiliki Mamareli[4]; K. Spiliopoulos[3]; Theophilos Theophanides[5], ([1]GENERAL ARMY HOSPITAL OF ATHENS, ATHENS, Greece, [2]GENERAL ARMY HOSPITAL, ATHENS, Greece, [3]Δρ., ΓΕΡΑΚΑΣ ΑΤΤΙΚΗΣ, Greece, [4]GENERAL ARMY HOSPITAL, ΝΕΑ ΣΜΥΡΝΗ, Greece, [5]Δρ., ΝΕΑ ΣΜΥΡΝΗ, Greece)

066 - MIR-210-3P MEDIATES THE UP-REGULATION OF NADPH OXIDASE EXPRESSION IN THE ATHEROSCLEROTIC AORTA OF HYPERCHOLESTEROLEMIC APOLIPOPROTEIN E-DEFICIENT MICE; POTENTIAL IMPLICATIONS FOR HUMAN ATHEROSCLEROSIS

Simona-Adriana Manea[1]; Mihaela Loredana Vlad[2]; Alexandra Lazar[2]; Adrian Manea[1], ([1]Institute of Cellular Biology and Pathology 'Nicolae Simionescu', Bucharest, Romania, [2]Institute of Cellular Biology and Pathology Nicolae Simionescu, Bucharest, Romania)

067 - LYSINE-SPECIFIC HISTONE DEMETHYLASE 1A MEDIATES OXIDATIVE STRESS, INFLAMMATION, AND ATHEROGENESIS IN APOLIPOPROTEIN E-DEFICIENT MICE; PROSPECTIVE IMPLICATIONS FOR HUMAN ATHEROSCLEROSIS

Adrian Manea[1]; Simona-Adriana Manea[1]; Mihaela Loredana Vlad[2]; Alexandra Lazar[2]; Horia Muresian[3]; Maya Simionescu[4], ([1]Institute of Cellular Biology and Pathology 'Nicolae Simionescu', Bucharest, Romania, [2]Institute of Cellular Biology and Pathology Nicolae Simionescu, Bucharest, Romania, [3]University Hospital of Bucharest, Bucharest, Romania, [4]Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania)

068 - RESTRING: A SOFTWARE TO MANAGE FUNCTIONAL ENRICHMENT OF COMPLEX EXPERIMENTAL DESIGNS

Stefano Manzini[1]; Marco Busnelli[2]; Alice Colombo[1]; Elsa Franchi[2]; Pasquale Grossano[3]; Giulia Chiesa[4], ([1]University, Milan, Italy, [2]Università degli Studi di Milano, Milano, Italy, [3]Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy, [4]Università degli Studi di Milano, Milan, Italy)

DEVELOPMENT OF APPROACHES TO SUBCELLULAR ANTIATHEROSCLEROTIC THERAPY

Yulia Markina[1]; Alexander Markin[1]; Taisiya Tolstik[1]; Ulyana Zotova[2]; Anton Postnov[2]; Igor Sobenin[3]; Alexander Orekhov[1], ([1]Research Institute of Human Morphology, Moscow, Russian Federation, [2]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation)

069 - ATHEROSCLEROSIS AND RECURRENT PREGNANCY LOSSES: COMMON BIOMARKERS INVOLVED ?

Sarah Mohamad[1]; Maryam Salim[2]; Claire Crampes[3]; Stephane Claverol[4]; Nawaf Jurdi[5]; Gisèle Clofent-Sanchez[6]; Iman El Hajj Dib[2]; Marie-Josée Jacobin-Valat[6], ([1]Center for Magnetic Resonance of Biological Systems (CRMSB) 146 rue Leo Saignat, 33076 Bordeaux, France., bordeaux, France, [2]Lebanese university, tripoli, Lebanon, [3]ENSTBB, Bordeaux, France, [4]CGFB, Protéome pole, Bordeaux, France, [5]american univerity of beirut, beirut, Lebanon, [6]university of bordeaux, bordeaux, France)

ASSOCIATION BETWEEN RISK OF OBSTRUCTIVE SLEEP APNEA AND ATHEROSCLEROSIS: A REVIEW

Aurea Novais; Renan Castello Branco, (Bahiana School of Medicine and Public Healthy, Salvador, Brazil)

070 - A NOVEL NEUTROPHIL-LIKE IN VITRO MODEL FOR THE STUDY OF HUMAN NEUTROPHIL POLARIZATION

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071 - SERUM DIPEPTIDYL PEPTIDASE-4 LEVELS AND DPP4 RS17574 POLYMORPHISM IN SUBCLINICAL ATHEROSCLEROSIS INDIVIDUALS WITH AND WITHOUT FATTY LIVER. THE GEA MEXICAN STUDY.

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IDENTIFICATION OF THE RISK OF IHD DEVELOPMENT IN YOUNG PEOPLE, FORMATION OF A DIAGNOSTIC MODEL

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STUDY OF OXIDATIVE STRESS INDICATORS IN YOUNG PEOPLE WITH CHD IN THE BACKGROUND OF ABDOMINAL OBESITY

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INFLUENCE OF THE MIR-423-5P PROFILE FOR IDIOPATHIC DILATED CARDIOMYOPATHY (DCM)

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"COMPARATIVE EFFICACY OF CARVEDILOL AND BISOPROLOL IN THE PATIENTS WITH CHRONIC CARDIAC FAILURE

Zulfiya Shoalimova; Shahzod Mamatov; Shamshodbek Jalilov; Dilfuza Yarmuxamedova, (Tashkent Medical Academy, Tashkent, Uzbekistan)

THE ASSOCIATION OF CHOLESTEROL, BLOOD METHEMOGLOBIN LEVELS AND SERUM ANTIOXIDANT ACTIVITY.

Irina Starodubtseva[1]; Konstantin Boev[2]; Dmitry Vasilenko[2], ([1] Voronezh, Russian Federation, [2]NN Burdenko Voronezh State Medical University, VORONEZH, Russian Federation)

072 - MITOCHONDRIAL DNA CRISPR/CAS9 EDITING: AN APPROACH TO ESTABLISHING THE ROLE OF MITOCHONDRIAL MUTATIONS IN ATHEROGENESIS

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073 - IL-37 POLYMORPHISMS ARE ASSOCIATED WITH CARDIOVASCULAR RISK FACTORS IN INDIVIDUALS WITH SUBCLINICAL ATHEROSCLEROSIS. THE GEA MEXICAN STUDY.

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A NOVEL COMPOUND MOUSE MODEL OF DIABETES, ATHEROSCLEROSIS AND FATTY LIVER USING AAV8-PCSK9 INJECTION IN DB/DB MICE

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THE PRESENCE OF MTDNA MUTATIONS IN THP1-BASED CYBRID CELLS AFFECTS THE EFFICIENTLY OF FCCP-INDUCED MITOPHAGY

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PREVALENCE OF HIGH LIPOPROTEIN (A) AMONGST HIGH CARDIOVASCULAR RISK POPULATION IN NORTH WALES, UNITED KINGDOM

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074 - LIPOPROTEIN(A) AND PREVALENT ATHEROSCLEROTIC CARDIOVASCULAR DISEASE IN PATIENTS WITH TYPE 2 DIABETES

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075 - JOINT EFFECT OF FAMILIAL HYPERCHOLESTEROLEMIA AND HYPERLIPOPROTEINEMIA(A) ON THE RISK OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE

Fotios Barkas[1]; Georgia Anastasiou[1]; Petros Adamidis[1]; Ad Koutsogianni[2]; Chrysa Styla[1]; Christos Rizos[3]; Konstantina Kyrili[1]; George Liamis[4]; Evangelos Liberopoulos[5], ([1]Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannnina, Greece, [2]Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannina, Greece, [3]University of Ioannina, Ioannina, Greece, [4]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [5]National and Kapodistrian University of Athens, Athens, Greece)

THE ASSOCIATION OF LIPOPROTEIN(A) AND LOW DENSITY LIPOPROTEIN CHOLESTEROL WITH AORTIC VALVE STENOSIS AND CORONARY HEART DISEASE.

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HYPERLIPOPROTEINEMIA(A) IS RELATED TO SEVERE CORONARY AND CAROTID ARTERY DISEASES IN FAMILIAL HYPERCHOLESTEROLEMIA PATIENTS.

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STRUCTURAL STUDIES ON LDL FROM PATIENTS WITH HIGH AND LOW LIPOPROTEIN (A)

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TOWARDS SI-TRACEABILITY OF LIPOPROTEIN (A) MEASUREMENTS: COMPARISON OF A CANDIDATE LC-MRM-MS RMP METHOD WITH COMMERCIALLY AVAILABLE IMMUNOASSAYS FOR EVALUATING COMMUTABILITY OF CANDIDATE REFERENCE MATERIALS

Ioannis Dikaios[1]; Liesbet Deprez[1]; Harald Althaus[2]; Eduardo Angles-Cano[3]; Ilijana Brkovic[4]; Timo Boesche[5]; Uta Ceglarek[6]; Stefan Coassin[7]; Vincent Delatour[8]; Benjamin Dieplinger[9]; Julia Dittrich[6]; Andrew Hoofnagle[10]; Gerhard Kostner[11]; Florian Kronenberg[12]; Zsusanna Kuklenyik[13]; Alycia Lyle[13]; Urban Prinzing[5]; Hubert Scharnagl[11]; Hubert Vesper[13]; Renee Ruhaak[6]; Christa Cobbaert[6], ([1]European Commission, Joint Research Centre (JRC), Geel, Belgium, [2]Siemens Healthcare Diagnostics products GmbH, Marburg, Germany, [3]Université Paris Descartes, Paris, France, [4]University Hospital Leipzig, Leipzig, Germany, [5]Roche Diagnostics GmbH, Penzberg, Germany, [6]LUMC, Leiden, Netherlands, [7]Medical University of Innsbruck, Innsbruck, Austria, [8]Laboratoire National de Métrologie et d'Essais, Paris, France, [9]Konventhospital Barmherzige Brueder Linz and Ordensklinikum Linz Barmherzige Schwestern, Linz, Austria, [10]University of Washington, Seattle, United States of America, [11]Medical University of Graz, Graz, Austria, [12]University Hospital Erlangen, Erlangen, Austria, [13]Centers for Disease Control and Prevention, Atlanta, United States of America)

ASSOCIATION BETWEEN OXIDIZED LP(A) AND HDL FUNCTIONS IN SLEEP APNEA SYNDROME

Yasuhiro Endo[1]; Makoto Sasaki[2]; Manami Teramoto[2]; Yumiko Suenaga[2]; Makoto Ayaori[3]; Hideaki Nakayama[4]; Yuichi Inoue[5]; Katsunori Ikewaki[6], ([1] Tokorozawa, Japan, [2]National Defense Medical College, Tokorrozawa, Japan, [3]Tokorozawa Heart Center, Tokorozawa, Japan, [4]Tokyo Medical University, Tokyo, Japan, [5]Japan Somnology Center, Tokyo, Japan, [6]National Defense Medical College, Tokorozawa, Japan)

076 - LIPIDOMIC PROFILING AND OXLDL MEASUREMENT FOR RISK STRATIFICATION IN PATIENTS WITH ELEVATED LP(A) WITH AND WITHOUT ESTABLISHED ASCVD

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077 - BIOCHEMICAL ROLE OF LIPOPROTEIN SCREENING IN PATIENTS WITH PREMATURE MIOCARDIAL INFARCTION AND ELITE ATHLETES

Fabio Fimiani[1]; Felice Gragnano[2]; Arturo Cesaro[2]; Andrea Vergara[2]; Antonio De Pasquale[2]; Ettore Blasi[2]; Paolo Calabro'[2], ([1]AORN Dei Colli, Napoli, Italy, [2]AORN "Sant'Anna e San Sebastiano", Caserta, Italy)

078 - THE EFFECT OF THE LPA VARIANT P.THR3888PRO ON LIPOPROTEIN(A) AND CORONARY ARTERY DISEASE IS MODIFIED BY THE LPA KIV-2 SPLICE SITE VARIANT 4925G>A

Rebecca Grüneis[1]; Claudia Lamina[1]; Silvia Di Maio[1]; Sebastian Schönherr[1]; Peter Zöscher[1]; Lukas Forer[1]; Annette Peters[2]; Christian Gieger[3]; Anna Köttgen[4]; Florian Kronenberg[5]; Stefan Coassin[1], ([1]Medical University of Innsbruck, Innsbruck, Austria, [2]Helmholtz Zentrum München, Neuherberg, Germany, [3]Helmholtz Zentrum München - German Research Center for Environmental Health, Neuherberg, Germany, [4]University of Freiburg, Freiburg, Germany, [5]University Hospital Erlangen, Erlangen, Austria)

THE IMPACT OF SNP RS3798220 ON THE LPA GENE IN ATHEROSCLEROTIC DISEASE

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079 - ASSOCIATION OF LPA AND LEVELS OF HBA1C IN PATIENTS WITH DIABETES MELLITUS TYPE 2

Styliani Lagou[1]; Alexandra Sianni[2]; Kyparissia Sitara[1]; Marina Tzanni[1]; Euaggelia Mougkaraki[1]; Evangelia Nikoli[1]; Sofia Miliou[1]; Nikolaos Fytrakis[1]; Zoitsa Zachariadou[1]; Archontoula Fragkou[1], ([1]Elpis General Hospital of Athens, Athens, Greece, [2]General Hospital of Athens , Athens, Greece)

080 - TYPE 2 DIABETES SIGNIFICANTLY MODULATES THE POWER OF LIPOPROTEIN(A) TO PREDICT CARDIOVASCULAR EVENTS AND MORTALITY IN YOUNG CORONARY ARTERY DISEASE PATIENTS

Arthur Mader[1]; Maximilian Maechler[1]; Barbara Larcher[1]; Lukas Sprenger[1]; Valentin Grabher[2]; Andreas Leiherer[2]; Axel Muendlein[2]; Alexander Vonbank[1]; Heinz Drexel[2]; Christoph Saely[3], ([1]Academic Teaching Hospital Feldkirch, Feldkirch, Austria, [2]Vorarlberg Institute for Vascular Investigation & Treatment (VIVIT), Feldkirch, Austria, [3]Private University of the Principality of Liechtenstein, Triesen, Liechtenstein)

081 - PCSK-9 INHIBITORS AND THE REDUCTION OF SERUM LIPOPROTEIN (A) LEVELS: EXPERIENCE OF THE REFERENCE CENTER

Dunja Leskovar[1]; Dražen Perica[1]; Nediljko Šućur[1]; Ana Godan Hauptman[1]; Ivan Pećin[1]; Željko Reiner[2], ([1]University Hospital Centre Zagreb, Zagreb, Croatia, [2] , Croatia)

INTERLABORATORY COMPARISON OF SERUM LIPOPROTEIN(A) ANALYTICAL RESULTS ACROSS CLINICAL ASSAYS – A STEP TOWARDS STANDARDIZATION

Alicia Lyle; Elias Flores; Clark Coffman; Alex Doty; Otoe Sugahara; Hubert Vesper, (Centers for Disease Control and Prevention, Atlanta, United States of America)

082 - CARDIOVASCULAR DISEASE IN PATIENTS WITH ELEVATED LP(A) – REAL WORLD DATA FROM A SPECIALIST LIPID CLINIC IN SCOTLAND.

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083 - EXTREME LIPOPROTEIN(A) LEVELS AND SUB-CLINICAL ATHEROSCLEROTIC DISEASE: A DESCRIPTIVE CASE-CONTROL STUDY (THE LP(A)EXTRAVASC STUDY)

Jean-François Perregaux[1]; Eric Bruckert[2]; Antonio Gallo[3], ([1]SORBONNE UNIVERSITE PITIE SALPETRIERE, PARIS, France, [2] , France, [3]Cardiovascular prevention unit, Pitié-Salpêtrière Hospital, AP-HP, PARIS, France)

LIPOPROTEIN (A) LEVEL DEPENDING ON CLINICAL FEATURES AND LEVEL OF PLASMA SPHINGOLIPIDS IN PATIENTS WITH EARLY ATHEROSCLEROSIS

Anastasia Rogozhina[1]; Alice Alessenko[2]; Larisa Minushkina[3]; Uliana Gutner[2]; Maria Shupik[2]; Iliya Kurochkin[2]; Olga Maloshitskaya[4]; Sergey Sokolov[4]; Albert Lebedev[4]; Ludmila Ivanova[5]; Victoria Braznik[5]; Dmitry Zateyshchikov[5], ([1] Moscow, Russian Federation, [2]Institute of Biochemical Physics of the Russian Academy of Sciences, Moscow, Russian Federation, [3]Central State Medical Academy of Department of Presidential Affairs, Moscow, Russian Federation, [4]Lomonosov Moscow state University, Moscow, Russian Federation, [5]City Clinical Hospital 51, Moscow, Russian Federation)

TOWARDS AN SI-TRACEABLE REFERENCE MEASUREMENT SYSTEM FOR SERUM APOLIPOPROTEINS (A), A-I, B, C-I, C-II, C-III AND E

Renee Ruhaak[1]; Fred Romijn[1]; Ilijana Begcevic-Brkovic[2]; Zsusanna Kuklenyik[3]; Julia Dittrich[1]; Uta Ceglarek[1]; Andrew Hoofnagle[4]; Harald Althaus[5]; Eduardo Angles-Cano[6]; Stefan Coassin[7]; Vincent Delatour[8]; Liesbet Deprez[9]; Ioannis Dikaios[9]; Gerhard Kostner[10]; Florian Kronenberg[11]; Alycia

Lyle[3]; Urban Prinzing[12]; Hubert Vesper[3]; Christa Cobbaert[1], ([1]LUMC, Leiden, Netherlands, [2]University Hospital Leipzig, Leiden, Germany, [3]Centers for Disease Control and Prevention, Atlanta, United States of America, [4]University of Washington, Seattle, United States of America, [5]Siemens Healthcare Diagnostics products GmbH, Marburg, Germany, [6]Université Paris Descartes, Paris, France, [7]Medical University of Innsbruck, Innsbruck, Austria, [8]Laboratoire National de Métrologie et d'Essais, Paris, France, [9]European Commission, Joint Research Centre (JRC), Geel, Belgium, [10]Medical University of Graz, Graz, Austria, [11]University Hospital Erlangen, Erlangen, Austria, [12]Roche Diagnostics GmbH, Penzberg, Germany)

LIPOPROTEIN(A) CHOLESTEROL CONTRIBUTION TO "LDL-C" LOWERS THE ABILITY OF A STATIN TO REDUCE "LDL-C"

Christian Schrock, (Lp(a) CARE Foundation, Hopkins, United States of America)

MANAGEMENT OF SIGNIFICANTLY ELEVATED LIPOPROTEIN(A) IN PATIENTS WITHOUT ESTABLISHED ASCVD

Christian Schrock, (Lp(a) CARE Foundation, Hopkins, United States of America)

084 - SEX DIFFERENCES OF LIPOPROTEIN(A) LEVELS AND ASSOCIATED RISK OF MORBIDITY AND MORTALITY BY AGE: THE COPENHAGEN GENERAL POPULATION STUDY

Sofie Simony[1]; Martin Mortensen[2]; Anne Langsted[3]; Shoaib Afzal[3]; Pia Kamstrup[3]; Børge Nordestgaard[3], ([1]Herlev and Gentofte Hospital, Copenhagen University Hospital, Herlev, Denmark, [2]Aarhus University Hospital, Aarhus N, Denmark, [3]The Copenhagen General Population Study, Herlev, Denmark)

HYPERLIPOPROTEINEMIA(A) AND LYMPHOCYTE MONOCYTE RATIO ARE ASSOCIATED WITH CARDIOVASCULAR OUTCOMES IN PATIENTS WITH EARLY MANIFESTED CORONARY HEART DISEASE.

Olga Afanasieva[1]; Alexandra Tyurina[2]; Elena Klesareva[1]; Oksana Razova[1]; Marat Ezhov[3]; Sergey Pokrovsky[1], ([1]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Moscow, Russian Federation, [2]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Russian Federation, [3]Chazov National Medical Research Center of Cardiology, Ministry of Health of the Russian Federation,, Moscow, Russian Federation)

IGM AUTOANTIBODIES AGAINST ATHEROGENIC LIPOPROTEINS AND EARLY MANIFESTATION OF CORONARY HEART DISEASE

Elena Klesareva[1]; Alexandra Tyurina[2]; Olga Afanasieva[1]; Marat Ezhov[3]; Sergey Pokrovsky[1], ([1]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Moscow, Russian Federation, [2]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Russian Federation, [3]Chazov National Medical Research Center of Cardiology, Ministry of Health of the Russian Federation,, Moscow, Russian Federation)

CARDIOVASCULAR OUTCOMES IN PATIENTS WITH HYPERLIPOPROTEINEMIA(A) DEPENDING ON ADHERENCE AND ADEQUACY OF STATIN THERAPY.

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085 - HIGH LIPOPROTEIN(A) IS ASSOCIATED WITH MAJOR ADVERSE LIMB EVENTS AFTER FEMORAL ARTERY ENDARTERECTOMY

Maarten Verwer[1]; Farahnaz Waissi[1]; Joost Mekke[1]; Mirthe Dekker[1]; Erik Stroes[2]; Gert De Borst[1]; Jeffrey Kroon[3]; Constantijn Hazenberg[1]; Dominique De Kleijn[1], ([1]University Medical Center Utrecht, Utrecht, Netherlands, [2] , Netherlands, [3]Amsterdam UMC - Location AMC, Amsterdam, Netherlands)

POSTPRANDIAL APOLIPOPROTEIN(A) METABOLISM IN FAMILIAL HYPERCHOLESTEROLAEMIA: THERAPEUTIC EFFECT OF OMEGA-3 FATTY ACID SUPPLEMENTATION

Qidi Ying[1]; Mikaël Croyal[2]; Dick Chan[1]; Valentin Blanchard[3]; Jing Pang[4]; Michel Krempf[5]; Gerald Watts[4], ([1]The University of Western Australia, Perth, Australia, [2]Université de Nantes, Nantes, France, [3]University of British Columbia, Vancouver, Canada, [4]University of Western Australia, Perth, Australia, [5]Clinique Bretéché, Nantes, France)

086 - RELATIONSHIP BETWEEN LIPOPROTEIN (A) AND CORONARY ARTERY DISEASE IN PATIENTS WITH VERY HIGH LDL LEVEL

Ece Yurtseven; Dilek Ural; Berkay Cunedioglu; Erol Gursoy; Saide Aytekin; Vedat Aytekin; Kemal Baysal, (Koc University, İstanbul, Turkey)

087 - PEMAFIBRATE IMPROVED POSTPRANDIAL TG, REML-C AND APOB48 IN PATIENTS WITH TYPE 2 DIABETES (T2D) AND HYPERTRIGLYCERIDEMIA: A POST-HOC ANALYSIS OF THE PHASE 3 CLINICAL TRIAL

Hidenori Arai[1]; Shizuya Yamashita[2]; Koutaro Yokote[3]; Eiichi Araki[4]; Neil Hounslow[5]; Kenichiro Ikeda[6]; Toshiaki Nojima[7]; Hideki Suganami[7]; Shun Ishibashi[8], ([1]National Center for Geriatrics and Gerontology, Obu, Japan, [2]Rinku General Medical Center, Izumisano, Japan, [3]Chiba University Graduate School of Medicine, Chiba, Japan, [4]Kumamoto University, Kumamoto, Japan, [5]Kowa Pharmaceutical Europe Co. Ltd., Wokingham, United Kingdom, [6]Kowa Company, Ltd., Chuo-ku, Tokyo, Japan, [7]Kowa Company, Ltd., Tokyo, Japan, [8]Jichi Medical University School of Medicine, Shimotsuke, Japan)

088 - LIPID PROFILE OF PATIENTS WITH DYSLIPIDEMIA DEPENDS ON THEIR GLYCEMIC STATUS

Fotios Barkas[1]; Evangelos Rizos[1]; Georgia Anastasiou[1]; Petros Adamidis[1]; Ad Koutsogianni[2]; Eliza Christopoulou[1]; Matilda Florentin[1]; George Liamis[3]; Evangelos Liberopoulos[4], ([1]Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannnina, Greece, [2]Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannina, Greece, [3]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [4]National and Kapodistrian University of Athens, Athens, Greece)

089 - THE BIOCHEMISTRY PART IN THE DIAGNOSIS OF CHYLOTHORAX AND CHYLE EFFUSION.

Pierre Gres[1]; Bertrand Lefrere[2]; Mehdi Sakka[1]; Julie Coiffard[1]; Belkacem Zenati[1]; Zoé Guilbert[1]; Thomas Audon[1]; Corinne Cherfils[1]; Valérie Fesel-Fouquier[1]; Randa Bittar[3]; Dominique Bonnefont-Rousselot[4], ([1]UF Biochimie des Maladies Cardiométaboliques, Paris, France, [2]UF de Biochimie des Maladies Cardiométaboliques, Paris, France, [3]Unité fonctionnelle de Biochimie des Maladies cardiométaboliques, Paris 13, France, [4]Unité fonctionnelle de Biochimie des Maladies cardiométaboliques, Paris, France)

090 - TREATMENT OF VOLANESORSEN IN A PATIENT WITH FAMILIAL CHYLMICRONAEMIA SYNDROME (FCS) DUE TO HOMOZYGOUS C.337T>C(P.TRP113ARG) - MUTATION AND IMPACT OF DIETARY INCOMPLIANCE: A CASE REPORT

Charlotte De Gier[1]; Gabriele Skacel[2]; Nina-Katharina Walleczek[2]; Julia Lischka[1]; Margot Baumgartner[1]; Susanne Greber-Platzer[1], ([1]Medical University of Vienna, Vienna, Austria, [2]Medical University Vienna, Vienna, Austria)

THE "RATIO OF MONOCYTES TO TRIGLYCERIDES" IN OLDER PATIENTS WITH CHRONIC KIDNEY DISEASE AND CARDIOVASCULAR COMORBIDITY

Elena Efremova; Alexander Shutov, (Ulyanovsk State University, Ulyanovsk, Russian Federation)

NEW EQUATION FOR LDL-C ESTIMATION BASED ON THE RELATIONSHIPS BETWEEN EXTRAHEPATIC VLDL-C AND TOTAL TRIGLYCERIDES.

Victor Gurevich[1]; Pavel Sadovnikov[2]; Andrey Olkhovik[2], ([1]Saint-Petersburg State University, Saint-Petersburg, Russian Federation, [2]Laboratory Service "HELIX, St. Petersburg, Russian Federation)

HEPARIN BINDING TRIGGERS VLDL REMODELING BY CIRCULATING LIPOPROTEIN LIPASE: RELEVANCE TO VLDL FUNCTIONALITY IN HEALTH AND DISEASE

Shobini Jayaraman[1]; Antonio Pérez[2]; Inka Miñambres[2]; Jose Luis Sánchez Quesada[2]; Olga Gursky[1], ([1]Boston University School of Medicine, Boston, United States of America, [2]Hospital de la Santa Creu i Sant Pau, Barcelona, Spain)

OMEGA-3 FATTY ACID USE IS ASSOCIATED WITH LOWER MORTALITY BUT NOT WITH CARDIOVASCULAR EVENTS REDUCTION IN PATIENTS WITH DIABETES: RESULTS OF 4786 PATIENTS COHORT

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091 - ASSOCIATION OF TRIGLYCERIDE AND CHOLESTEROL CONTENT IN FOURTEEN LIPOPROTEIN SUBFRACTIONS WITH CORONARY HEART DISEASE: A MENDELIAN RANDOMISATION ANALYSIS.

Roshni Joshi[1]; Goya Wannamethee[1]; Jorgen Engmann[1]; Tom Gaunt[1]; Deborah Lawlor[2]; Jackie Price[3]; Theresa Tillin[1]; Nishi Chaturvedi[1]; Mika Kivimaki[1]; Alun Hughes[1]; Andrew Wong[1]; Aroon Hingorani[1]; Amand Schmidt[1], ([1]University College London, London, United Kingdom, [2]University of Bristol, Bristol, United Kingdom, [3]University of Edinburgh, Edinburgh, United Kingdom)

092 - TREATMENT OF TYPE V DYSLIPOPROTEINEMIA: A RARE PHENOTYPE OF LIPID DISORDERS

Chao-Feng Lin[1]; Chih-Hung Liang[2]; Jen-Yu Chuang[1]; Dai-Yi Lin[1]; Chia-Ling Tsai[1]; Yi-Han Chen[3]; Hung-I Yeh[1]; Ya-Hui Chang[1], ([1]MacKay Memorial Hospital, Taipei, Taiwan, [2] New Taipei City, Taiwan, [3]Taipei Medical University, Taipei, Taiwan)

INCREASED VALUES IN TOTAL CHOLESTEROL AND LDL CHOLESTEROL IN "PREDIABETIC" MIDDLE-AGED AND ELDERLY ADULTS WITH A1C BETWEEN 5.7 AND 6.4%

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093 - ALBUMIN AFFECTS THE STABILITY, OLIGOMERIZATION AND LIGAND INTERACTIONS OF LIPOPROTEIN LIPASE

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RESPONSE OF LIPOPROTEINS TO A MEAL TOLERANCE TEST IN PATIENTS WITH TYPE 2 DIABETES AND HYPERTRIGLYCERIDEMIA

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EFFECT OF EXERCISE TRAINING ON THE CAPACITY OF HDL TO RECEIVE UNESTERIFIED AND ESTERIFIED CHOLESTEROL AND ON PARAOXONASE 1 ACTIVITY IN AGED INDIVIDUALS

Pedro Gabriel Senger Braga[1]; Thauany Tavoni[1]; Roberta Baroni[1]; Fatima Freitas[1]; Maria Carolina Guido[2]; Maria Janieire Nazaré Alves[1]; Gislene Rocha[3]; André Luis Bachi[3]; Carlos Eduardo Negrão[1]; Mauro Walter Vaisberg[3]; Raul Maranhão[4], ([1]Heart Institute (InCor) of the Medical School Hospital, University of São Paulo, Brazil., Sao Paulo, Brazil, [2] São Paulo, Brazil, [3]Federal University of São Paulo, Sao Paulo, Brazil, [4]Heart Institute - HCFMUSP, São Paulo, Brazil)

094 - REPURPOSING THE ANTI-CANCER DRUG DOCETAXEL FOR THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS

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IDENTIFICATION OF MOLECULES THAT CORRECT STRUCTURAL AND FUNCTIONAL DEFECTS OF NATURALLY-OCCURRING PATHOGENIC APOA-I MUTANTS

Christina Gkolfinopoulou; Angeliki Bourtsala; Angeliki Chroni, (Institute of Biosciences and Applications, Athens, Greece)

095 - HDL LEVELS DO NOT IMPACT ON THE EXPRESSION OF GENES PLAYING A PIVOTAL ROLE IN INTESTINAL LIPID METABOLISM IN APOLIPOPROTEIN E-KNOCKOUT MICE

Alice Colombo[1]; Stefano Manzini[1]; Marco Busnelli[2]; Elsa Franchi[2]; Giulia Chiesa[3], ([1]University, Milan, Italy, [2]Università degli Studi di Milano, Milano, Italy, [3]Università degli Studi di Milano, Milan, Italy)

096 - HIGH DENSITY-LIPOPROTEIN FUNCTIONALITY SCORE PREDICTS CARDIOVASCULAR RISK ESTIMATES AND SUBCLINICAL ATHEROSCLEROSIS IN BRAZILIAN INDIVIDUALS

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THE ABILITY TO DONATE LIPID-FREE APOA-I AS A PRIMARY CHOLESTEROL ACCEPTOR AT CHOLESTEROL EFFLUX IS A NEW FUNCTIONAL PROPERTY OF HDL

Alexander Dergunov; Veronika Baserova; Dmitry Litvinov, (National Medical Research Center for Therapy and Preventive Medicine, Moscow, Russian Federation)

097 - HISTOLOGICAL ASSESSMENT OF LIPID DEPOSITION IN PERIPHERAL TISSUES FROM GENETICALLY MODIFIED MICE WITH DEFICIENCY OR OVEREXPRESSION OF APOA-I

Elsa Franchi[1]; Marco Busnelli[1]; Stefano Manzini[2]; Alice Colombo[2]; Giulia Chiesa[3], ([1]Università degli Studi di Milano, Milano, Italy, [2]University, Milan, Italy, [3]Università degli Studi di Milano, Milan, Italy)

IMPROVING HDL QUALITY THROUGH INTERACTION WITH NOVEL BIOACTIVE LIPID, AS A STRATEGY TO REDUCE CARDIOVASCULAR DISEASE RISK

Soliman Khatib, (Tel Hai college, Upper Galilee,, Israel)

098 - CHOLESTEROL EFFLUX CAPACITY OF HIGH-DENSITY LIPOPROTEIN PARTICLES IS IMPAIRED IN AGE-RELATED MACULAR DEGENERATION PATIENTS WITH HIGH PLASMA HDL-C LEVELS

Yanlin Li[1]; Marcella Palumbo[2]; Leonie Van Der Zee-Van Vark[3]; Adrie Verhoeven[3]; Franco Bernini[2]; Caroline Klaver[3]; Maria Pia Adorni[2]; Francesca Zimetti[2]; Pieter Leenen[3]; Magda Meester-Smoor[3]; Monique Mulder[4], ([1]Erasmus University Medical Center, Rotterdam, Rotterdam, Netherlands, [2]University of Parma, Parma, Italy, [3]Erasmus University Medical Center, Rotterdam, Netherlands, [4]Erasmus MC University Medical Center, Rotterdam, Netherlands)

CLINICAL UTILITY OF NON-HDL-CHOLESTEROL AS CARDIOVASCULAR RISK BIOMARKER IN TYPE 2 DIABETES MELLITUS

Simona Opris; Gianina Ioana Constantin, ("Ana Aslan" National Institute of Gerontology and Geriatrics, Bucharest, Romania)

099 - DIFFERENT IMPACT OF AIR POLLUTION ON HDL FUNCTIONALITY IN HEALTHY AND IN OBESE SUBJECTS

Alice Ossoli[1]; Chiara Favero[1]; Silvana Frascarelli[1]; Laura Calabresi[2]; Valentina Bollati[1]; Monica Gomaraschi[2], ([1]Università degli Studi di Milano, Milano, Italy, [2] , Italy)

HDL CHOLESTEROL DYNAMICS AFTER STEMI DETERMINES THE TENDENCY TO RECURRENT CORONARY EVENTS

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HIGH-DENSITY LIPOPROTEIN CONTAINING APOE PROMOTES CEREBROVASCULAR HEALTH IN THE CONTEXT OF ALZHEIMER'S DISEASE.

Jerome Robert[1]; Sofia Kakava[2], ([1]University Hospital Zurich, Schlieren, Switzerland, [2]University hospital of Zurich, Schlieren, Switzerland)

100 - ASSOCIATION BETWEEN HIGH HDL CHOLESTEROL LEVELS AND MORTALITY IN WELL-CONTROLLED DIABETIC PATIENTS TYPE 2.

Alexandra Sianni[1]; Styliani Lagou[2]; Marina Tzanni[2]; Konstantinos Tentolouris[2]; Alkistis Patsaki[2]; Styliani Michailidou[2]; Sofia Miliou[2]; Nikolaos Fytrakis[2]; Dimitrios Syrigos[2]; Archontoula Fragkou[2], ([1]General Hospital of Athens , Athens, Greece, [2]Elpis General Hospital of Athens, Athens, Greece)

101 - ENRICHMENT OF HIGH-DENSITY LIPOPROTEINS WITH PHOSPHATIDYLETHANOLAMINE (36:5) IMPAIRS THEIR PROTECTIVE BIOLOGICAL ACTIVITIES AND IS ASSOCIATED WITH ATHEROSCLEROSIS IN WOMEN.

Malik Taradeh[1]; Veronica Dahik[1]; Marie Lhomme[2]; Sophie Galier[1]; Lise Hardy[1]; Eric Frisdal[1]; Hervé Durand[1]; Anatol Kontush[3]; Eric Bruckert[4]; Philippe Giral[1]; Maryse Guerin[1]; Isabelle Guillas[5]; Wilfried Le Goff[5], ([1]Faculté de Médecine Sorbonne Université, PARIS, France, [2]Groupe Hospitalier Pitié SalpétrièreInstitute of Cardiometabolism and Nutrition, Paris, France, [3]Sorbonne University, Paris, France, [4] , France, [5]Pitié-Salpétrière, Paris, France)

102 - PCSK9 IS DIFFERENTIALLY DISTRIBUTED AMONG HDL SUBPOPULATIONS

Aikaterini Tsouka[1]; Ioannis Dafnis[2]; Constantinos Tellis[1]; Christina Gkolfinopoulou[2]; Angeliki Chroni[2]; Alexandros Tselepis[3], ([1]Atherothrombosis Research Centre, Ioannina, Greece, [2]Institute of Biosciences and Applications, Athens, Greece, [3]University of Ioannina, Ioannina, Greece)

103 - LIPOPROTEIN METABOLISM IN ALZHEIMER'S DISEASE: CSF AND PLASMA HDL CHARACTERIZATION IN AN ITALIAN COHORT

Marta Turri[1]; Chiara Pavanello[1]; Francesco Gastoldi[1]; Elisa Conti[2]; Davide Emide[1]; Alberto Barbiroli[1]; Lucio Tremolizzo[2]; Laura Calabresi[3], ([1]University of Milan, Milan, Italy, [2]University of Milano Bicocca, Monza, Italy, [3] , Italy)

HDL AND THE PATHOGENESIS OF DELAYED CEREBRAL VASOSPASM FOLLOWING SUBARACHNOID HEMORRHAGE

Zaida Ruiz De Azúa[1]; María Rosa Pezzotti[2]; Gonzalo Revilla-González[2]; Joaquín Navarro-Rodríguez[3]; Olivier Meilhac[4]; Juan Ureña[2]; Rosario Amaya Villar[1]; Antonio Castellano[2]; Lourdes Varela[5], ([1]University Hospital Virgen del Rocío, IBiS/CSIC/University of Seville, Seville, Spain, [2]Institute of Biomedicine of Seville, IBiS, Universitary Hospital Virgen del Rocío/CSIC/University of Seville, Seville, Spain, [3]University Hospital Virgen del Rocío, IBiS/CSIC/University of Seville, Sevilla, Spain, [4]DéTROI INSERM U1188, Saint Denis, France, [5]University of Seville, Sevilla, Spain)

GENETIC VARIANTS IN LIPC IN SUBJECTS WITH EXTREME LEVELS OF HDL CHOLESTEROL

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104 - SILENCING OF PCSK9 BY SIRNA-FUNCTIONALIZED RHDL AS TOOL TO UPREGULATE LDLR EXPRESSION IN HEPATOCYTES

Asier Larrea[1]; Shifa Jebari Benslaiman[2]; Unai Galicia-Garcia[3]; Kepa B. Uribe[4]; Asier Benito-Vicente[3]; Cear Martin[1], ([1]Biofisika Institute, Leioa, Spain, [2]University of the Basque Country (UPV/EHU), LEJONA, Spain, [3]Biofisika Institutua, LEJONA, Spain, [4]Center for Cooperative Research in Biomaterials (CIC biomaGUNE), Donostia, Spain)

MICRORNA 33A CONTROLS SREBP-2 AND LXR DEPENDENT REGULATION OF THE LDL RECEPTOR PATHWAY

Vimal Ramachandran[1]; Melanie Modder[2]; Li Zhang[3]; Christopher Krumm[4]; Wietse In Het Panhuis[5]; Milena Schönke[5]; Yi-Chien Lu[6]; Timothy Hla[7]; Ann-Hwee Lee[4]; Patrick Rensen[8]; Peter Tontonoz[3]; Sander Kooijman[5]; Hani Najafi-Shoushtari[1], ([1]Weill Cornell Medicine, Doha, Qatar, [2]Leiden university medical centre, Leiden, Netherlands, [3]UCLA, Los Angeles, United States of America, [4]Weill Cornell Medicine, New York, United States of America, [5]Leiden University Medical Centre, Leiden, Netherlands, [6]Yale University, New Haven, United States of America, [7]Boston's Children Hospital, Boston, United States of America, [8] , Netherlands)

CHARACTERIZATION OF HOT-SPOT AMINO ACID POSITIONS IN THE LDLR BY MACHINE-LEARNING ALGORITHMS.

Iñaki Sasiain[1]; Asier Larrea[2]; Shifa Jebari Benslaiman[3]; Unai Galicia-Garcia[4]; Asier Benito-Vicente[4]; Cesar Martín[4], ([1]UPV-EHU, Leioa, Spain, [2]Biofisika Institute, Leioa, Spain, [3]University of the Basque Country (UPV/EHU), LEJONA, Spain, [4]Biofisika Institutua, LEJONA, Spain)

MOROCCAN POMEGRANATE (SEFRI VARIETY) POLYPHENOLS PREVENT HYPERLIPIDEMIA, OXIDATIVE STRESS AND ENHANCE CHOLESTEROL EFFLUX PROCESSES

Lamiae Benchagra[1]; Mehdi Alami[1]; Samira Boulbaroud[1]; Abdelouahed Khalil[2]; Mhamed Ramchoun[1]; Hicham Berrougui[1], ([1]University of Sultan Moulay Slimane, Beni Mellal, Morocco, [2]Faculty of Medicine and Biological Sciences, Sherbrook, Canada)

EICOSAPENTAENOIC ACID (EPA, C20:5 N-3) INCREASED ABCA1-MEDIATED CHOLESTEROL EFFLUX FROM J774 MOUSE MACROPHAGES OR THP-1 HUMAN MACROPHAGES BY MODULATING SECRETED EICOSANOIDS

Hani Dakroub; Maxime Nowak; Kodjo Nouwade; Sana Tfaili; Bastien Prost; Audrey Solgadi; Pierre Chaminade; Jean-Louis Paul; Natalie Fournier, (University Paris Saclay, Faculty of Pharmacy, CHATENAY-MALABRY, France)

DIMERIZATION OF CHOLESTEROL PERMITS ITS BINDING TO LIPID-FREE APOA-I

Veronika Baserova; Alexander Dergunov, (National Medical Research Center for Therapy and Preventive Medicine, Moscow, Russian Federation)

105 - MIR-125B DOWNREGULATES MACROPHAGE SCAVENGER RECEPTOR TYPE B1 AND REVERSE CHOLESTEROL TRANSPORT

Raquel Griñán[1]; Miguel Hueso[2]; Adrián Mallen[3]; Estanislao Navarro[2]; Elvira Purqueras[2]; Montse Gomá[2]; Fabrizio Sbraga[2]; Arnau Blasco-Lucas[2]; Giovanna Revilla[3]; David Santos[4]; Marina Canyelles[3]; Josep Julve[5]; Joan Escolà[6]; Noemi Rotllan[5], ([1]Sant Pau Hospital Research Institute (IIB-Sant Pau), Barcelona, Spain, [2]Hospital Universitari Bellvitge and Bellvitge Research Institute (IDIBELL), L'Hospitalet de Llobregat, Spain, [3]Institut de Recerca de l'Hospital de la Santa Creu i Sant Pau, Institut d'Investigacions Biomèdiques (IIB) Sant Pau, Barcelona, Spain, [4]CIBER de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM), Barcelona, Spain, [5]Biomedical Research Institute Sant Pau (IIb-St Pau), Barcelona, Spain, [6]Biomedical Research Institute Sant Pau (IIB-Sant Pau), Barcelona, Spain)

106 - GENOME-WIDE FUNCTIONAL GENETIC APPROACHES TO IDENTIFY NOVEL REGULATORS OF NIEMANN PICK TYPE C1 (NPC1)

Klevis Ndoj, (Amsterdam, Netherlands)

107 - INHIBITION OF PCSK9 AFFECTS SERUM LIPOPROTEIN FUNCTIONS IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA

Marcella Palumbo[1]; Maria Pia Adorni[1]; Francesca Zimetti[1]; Chiara Pavanello[2]; Antonina Giammanco[3]; Angelo Baldassare Cefalù[3]; Davide Noto[3]; Salvatore Piro[4]; Antonino Di Pino[4]; Maurizio Averna[3]; Laura Calabresi[5]; Franco Bernini[1]; Francesco Purrello[4]; Roberto Scicali[4], ([1]University of Parma, Parma, Italy, [2]University of Milan, Milan, Italy, [3]University of Palermo, Palermo, Italy, [4]ARNAS GARIBALDI NESIMA, Catania, Italy, [5] , Italy)

AUTOPHAGY IS DIFFERENTIALLY REGULATED IN LEUKOCYTE AND NONLEUKOCYTE FOAM CELLS DURING ATHEROSCLEROSIS

Sabrina Robichaud[1]; Adil Rasheed[1]; Antonietta Pietangelo[1]; Anne Doyoung Kim[2]; Dominique Boucher[2]; Christina Emerton[1]; Viyashini Vijithakumar[1]; Lara Gharibeh[1]; Garrett Fairman[1]; Esther Mak[1]; My-Anh Nguyen[1]; Michèle Geoffrion[1]; Robert Wirka[3]; Katey Rayner[1]; Mireille Ouimet[1], ([1]University of Ottawa Heart Institute, Ottawa, Canada, [2]University of Ottawa, Ottawa, Canada, [3]University of North Carolina, Chapel Hill, United States of America)

108 - ICOSAPENT ETHYL SUPPLEMENTATION RAPIDLY AND TRANSIENTLY ALTERS THE COMPOSITION AND FUNCTIONALITY OF CIRCULATING LIPOPROTEINS IN HUMANS

Lauri Äikäs[1]; Martin Hermansson[1]; Minna Holopainen[2]; Hanna Ruhanen[3]; Reijo Käkelä[3]; Petri Kovanen[1]; Katariina Öörni[1], ([1]Wihuri Research Institute, Helsinki, Finland, [2]Helsinki Institute of Life Science (HiLIFE) and Biocenter Finland, Helsinki, Finland, [3]University of Helsinki, Helsinki, Finland)

ATHEROGENIC LIPIDOMICS PROFILE IN HEALTHY INDIVIDUALS WITH LOW CARDIORESPIRATORY FITNESS: THE HUNT3 FITNESS STUDY

Marie Klevjer[1]; Markus Nodeland[1]; Julie Sæther[2]; Guro Giskeødegård[1]; Tone Bathen[1]; Ulrik Wisløff[1]; Anja Bye[1], ([1]Norwegian University of Science and Technology, Trondheim, Norway, [2]NTNU, Trondheim, Norway)

109 - IN-SITU LIPID ALTERATIONS OF AORTIC ATHEROSCLEROSIS IN LDLR-DEFICIENT MICE USING MASS SPECTROMETRY IMAGING

Marta Martin-Lorenzo[1]; Jianhua Cao[2]; Kim Van Kuijk[3]; Marion Gijbels[3]; Britt Claes[2]; Ron Heeren[2]; Judith Sluimer[3]; Gloria Alvarez-Llamas[4]; Benjamin Balluff[2], ([1]FIIS- Fundación Jiménez Díaz, Madrid, Spain, [2]Maastricht University, Maastricht, Netherlands, [3]Maastricht UMC+, Maastricht, Netherlands, [4]IIS-Fundacion Jimenez Diaz, Madrid, Spain)

110 - SMALL LDL SUBFRACTIONS ARE ASSOCIATED WITH CORONARY ATHEROSCLEROSIS

Julie Sæther[1]; Anja Bye[2]; Marie Klevjer[2]; Tone Bathen[2]; Guro Giskeødegård[2]; Erik Madssen[3]; Elisabeth Vesterbekkmo[2]; Rune Wiseth[3]; Sigrid Gjære[2]; Marthe Myhra[2]; Bruna Gigante[4], ([1]NTNU, Trondheim, Norway, [2]Norwegian University of Science and Technology, Trondheim, Norway, [3]St. Olavs University Hospital, Trondheim, Norway, [4]Karolinska Institute, Stockholm, Sweden)

111 - SIZE, FATTY ACID AND PROTEIN CHARACTERIZATION OF DIFFERENT POPULATIONS OF EXTRACELLULAR VESICLES OBTAINED BY SEQUENTIAL CENTRIFUGATION. AN USEFUL TOOL TO DISSECT THEIR BIOLOGICAL PROPERTIES?

Felice Maria Accattatis[1]; Sara Mazza[2]; Francesca Bordonaro[2]; Agnese Granata[2]; Elisabetta Vergani[3]; Monica Rodolfo[3]; Laura Bianchi[4]; Fabrizio Francomano[4]; Alfonso Carleo[5]; Stefano Bellosta[6]; Alberto Corsini[7]; Lorenzo Arnaboldi[2], ([1]Università della Calabria, Arcavacata di Rende, Italy, [2]Università degli Studi di Milano, milano, Italy, [3]Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy, [4]Università di Siena, Siena, Italy, [5]Fraunhofer-Institut für Toxikologie und Experimentelle Medizin, Hannover, Germany, [6] , Italy, [7]UNIVERSITY OF MILAN, MILAN, Italy)

112 - PHARMACOLOGICAL MODULATION OF LIPID METABOLISM IN A HUMAN CELL LINE ALTERS PROTEIN CONTENT AND SIGNALLING OF SECRETED EXTRACELLULAR VESICLES

Sara Mazza[1]; Felice Maria Accattatis[2]; Francesca Bordonaro[1]; Agnese Granata[1]; Laura Bianchi[3]; Fabrizio Francomano[3]; Alfonso Carleo[4]; Elisabetta Vergani[5]; Monica Rodolfo[5]; Stefano Bellosta[6]; Alberto Corsini[7]; Lorenzo Arnaboldi[1], ([1]Università degli Studi di Milano, milano, Italy, [2]Università della Calabria, Arcavacata di Rende, Italy, [3]Università di Siena, Siena, Italy, [4]Fraunhofer-Institut für Toxikologie und

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VASCULAR LIPID METABOLISM IN ATHEROSCLEROSIS

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113 - SPRING1 IS REQUIRED FOR PROPER FUNCTIONING OF SREPB MEDIATED LIPID SYNTHESIS.

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114 - THE ROLE OF IL7 AND ITS RECEPTOR IN CHOLESTEROL ACCUMULATION IN MONOCYTE-DERIVED HUMAN MACROPHAGES

Vasily Sukhorukov[1]; Victoria Khotina[2]; Maryam Bagheri Ekta[1]; Andrey Omelchenko[2]; Igor Sobenin[3]; Alexander Orekhov[4], ([1]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [2]Institute for Atherosclerosis Research, Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation, [4]Research Institute of Human Morphology, Moscow, Russian Federation)

MOLECULAR REGULATION OF ENDOTHELIAL AND VASCULAR DYSFUNCTION BY LIPID LACTONE MEDIATORS

Andrea Szuchman-Sapir[1]; Michal Barsheshet[1]; Offir Ertracht[2]; Shaul Atar[2]; Beyer Andreas[3]; Rotem Fridman[4]; Meitar Asulin[4]; Dimitry Chuyun[5], ([1]MIGAL Research Institute & Tel-Hai college, Kiryat Shmona, Israel, [2]Galilee Medical Center, Nahariya, Israel, [3]Medical college of wisconsin, wisconsin, United States of America, [4]MIGAL Research Institute & Tel-Hai college, Kiryat-Shmona, Israel, [5]The Baruch Padeh Medical Center, Poriya, Israel)

115 - CONSISTENCY OF FRIEDEWALD, MARTIN/HOPKINS AND SAMSON FORMULAS FOR LDL-C CALCULATION IN HIGH AND VERY HIGH CARDIOVASCULAR RISK PATIENTS

Ozcan Basaran[1]; Volkan Dogan[2]; Oguzhan Celik[3]; Cem Cil[3]; Bulent Ozlek[3]; Eda Ozlek[3]; Ibrahim Ozdemir[4]; Ibrahim Rencuzogullari[5]; Fatma Karadeniz[6]; Mehmet Tekinalp[7]; Lutfu Askin[8]; Selami Demirelli[6]; Erkan Gencer[9]; Murat Biteker[3]; Meral Kayikcioglu[10], ([1]Mugla Sitki Kocman University Faculty of Medicine, Mugla, Turkey, [2]Mugla Sitki Kocman University, Mugla, Turkey, [3]Mugla Sitki Kocman University Education And Research Hospital, Mugla, Turkey, [4]Nizip State Hospital, Gaziantep, Turkey, [5]Kars University, Kars, Turkey, [6]Erzurum education and research hospital, Erzurum, Turkey, [7]Necip Fazıl State Hospital, Kahramanmaras, Turkey, [8]Adiyaman University, Adiyaman, Turkey, [9]Kilis State Hospital, Kilis, Turkey, [10]Ege University School of Medicine, Izmir, Turkey)

116 - FAMILIAL HYPERCHOLESTEROLEMIA WITHIN CARDIOLOGY PRACTICE - SINGLE-CENTER EXPERIENCE

Edin Begić[1]; Nedim Begić[2]; Ada Đozić[1]; Emina Karavelić[1]; Nadira Zatrić[3]; Adela Sinančević[3]; Alen Džubur[4]; Amina Šahbaz[5]; Esma Hasanagić[5], ([1]General Hospital "Prim. dr. Abdulah Nakaš", Sarajevo, Bosnia and Herzegovina, [2]Pediatric Clinic, Clinical Center University of Sarajevo, Sarajevo, Bosnia and Herzegovina, [3]Health Care Center, Sarajevo, Bosnia and Herzegovina, [4]Clinical Center University of Sarajevo, Sarajevo, Bosnia and Herzegovina, [5]Sarajevo Medical School, Sarajevo School of Science and Technology, Sarajevo, Bosnia and Herzegovina, Sarajevo, Bosnia and Herzegovina)

PREGNANCY IN HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA – A CASE SERIES

Kateřina Veletová; Milan Bláha; Vladimír Blaha; Miriam Lánská; Pavel Žák, (University Hospital Hradec Králové, Hradec Králové, Czech Republic)

117 - IDENTIFICATION OF THE TRANSCRIPTION FACTOR ATF3 AS A NEW REGULATOR OF THE LDLR

Jana Eigenmann[1]; Sabine Bauer[2]; Julia Fleig[1]; Yuqi Zhao[3]; Heribert Schunkert[1]; Moritz Von Scheidt[2], ([1]German Heart Centre Munich, Munich, Germany, [2]German Heartcenter Munich, München, Germany, [3]Quantitative and computational Biosciences, Los Angeles, United States of America)

118 - LIPOPROTEIN SUBFRACTIONS IN PATIENTS WITH VARIOUS CARDIOVASCULAR RISK

Elena Utkina[1]; Nadezhda Artemieva[1]; Marat Ezhov[2]; Olga Afanasieva[3]; Sergey Pokrovsky[3], ([1]Federal State Institution "Russian Cardiology Research and Production Center" of Ministry of Health of the Russian Federation, Moscow, Russian Federation, [2]Chazov National Medical Research Center of Cardiology, Ministry of Health of the Russian Federation,, Moscow, Russian Federation, [3]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Moscow, Russian Federation)

119 - WHOLE EXOME/GENOME SEQUENCING JOINT ANALYSIS IN A FAMILY WITH OLIGOGENIC FAMILIAL HYPERCHOLESTEROLEMIA

Youmna Ghaleb[1]; Sandy El Bitar[1]; Anne Philippi[2]; Petra El Khoury[1]; Yara Azar[3]; Miangaly Andrianirina[4]; Alexia Loste[4]; Yara Abou-Khalil[1]; Gaël Nicolas[5]; Marie Le Borgne[4]; Philippe Moulin[6]; Mathilde Di Filippo[7]; Sybil Charriere[8]; Michel Farnier[9]; Cécile Yelnik[10]; Valérie Carreau[11]; Jean Ferrières[12]; Jean-Michel Lecerf[13]; Alexa Derksen[14]; Geneviève Bernard[15]; Marie-Soleil Gauthier[16]; Benoit Coulombe[16]; Dieter Luetjohann[17]; Bertrand Finn[18]; Anne Boland[18]; Robert Olaso[18]; Jean-François Deleuze[18]; Jean-Pierre Rabès[19]; Catherine Boileau[20]; Marianne Abifadel[1]; Mathilde Varret[3], ([1]Saint Joseph University, Beirut, Lebanon, [2]INSERM U1016, Paris, France, [3]Bichat Hospital, Paris, France, [4]INSERM, Paris, France, [5]INSERM U1149, CNRS ERL 8252, Paris, France, [6]université Lyon1,/INSERM/HCL, Lyon, France, [7]Service de Biochimie et Biologie moléculaire Grand Est, Bron, France, [8]Hôpital Louis Pradel, Bron cedex, France, [9] , France, [10]Université de Lille, INSERM UMR 1167 RID-AGE, CHU Lille, LILLE, France, [11]Cardiovascular prevention unit, Pitié-Salpêtrière Hospital, AP-HP, PARIS, France, [12]Department of Cardiology, TOULOUSE, France, [13]Institut Pasteur de Lille, Lille, France, [14]Institut de Recherches Cliniques de Montréal, Montréal, Montréal, Canada, [15]McGill University, Montréal, Canada, [16]Institut de Recherches Cliniques de Montréal, Montréal, Canada, [17]University Clinics Bonn, Bonn, Germany, [18]Université Paris-Saclay, Evry, France, [19]Ambroise Paré University Hospital, Boulogne-Billancourt, France, [20]Paris University, Paris, France)

120 - GENETIC AND CLINICAL CHARACTERISTICS OF HETEROZYGOUS AND HOMOZYGOUS LPL DEFICIENCY: CASE SERIES

Tatiana Marusic[1]; Barbara Jenko Bizjan[2]; Urša Šuštar[2]; Matija Cevc[3]; Matej Mlinarič[4]; Jernej Kovač[2]; Hijab Batool[5]; Iqbal Khan[6]; Tadej Battelino[4]; Fouzia Sadiq[7]; Urh Groselj[4], ([1]University Children's Hospital, University Medical Center Ljubljana, Ljubljana, Slovenia, [2]University Children's Hospital, UMC Ljubljana, Ljubljana, Slovenia, [3]University Medical Centre Ljubljana, Ljubljana, Slovenia, [4]University of Ljubljana, Ljubljana, Slovenia, [5]Chugtai Institute of Pathology, Lahore, Pakistan, Lahore, Pakistan, [6]Shifa International Hospital, Islamabad, Pakistan, Islamabad, Pakistan, [7]Shifa Tameer-e-Millat University, Islamabad, Pakistan, Islamabad, Pakistan)

121 - ENERGY METABOLISM HORMONES AND LIPID PROFILES IN TRANSGENDER INDIVIDUALS: CROSS-SECTIONAL PILOT STUDY

Michael Frenkel; Natalie Cusano; Eugenia Gianos; Tung Ming Leung; Karina Ziskovich; Dimitar Avtanski; Radoslav Stojchevski; Sadiya Thermidor; Marwen Hassan Eid; Leonid Poretsky, (Northwell Health, New York, United States of America)

THE EFFECT OF IATROGENIC HYPOTHYROIDISM ON LIPOPROTEIN SUBFRACTIONS AND SERUM PARAOXONASE ACTIVITY IN PATIENTS WITH DIFFERENTIATED THYROID CANCER

Mónika Katkó[1]; Annamária Gazdag[2]; Mariann Harangi[1]; Anita Szentpéteri[1]; Erika Galgóczi[2]; Annamária Erdei[2]; Eszter Berta[2]; Miklós Bodor[2]; Harjit Pal Bhattoa[2]; Endre Nagy[2], ([1]University of Debrecen Faculty of Medicine, Debrecen, Hungary, [2]University of Debrecen, Faculty of Medicine, Debrecen, Hungary)

TOTUM-070 PREVENTS DIET-INDUCED HYPERLIPIDEMIA IN HIGH FAT HIGH CHOLESTEROL FED HAMSTERS

Cédric Langhi[1]; Yolanda F Otero[1]; Florian Le Joubioux[2]; Bruno Guigas[3]; Sébastien Peltier[2]; Pascal Sirvent[1], ([1]Valbiotis, RIOM, France, [2]Valbiotis, PERIGNY, France, [3]Leiden University Medical Center, Leiden, Netherlands)

TOTUM-070 PREVENTS DIET-INDUCED HYPERCHOLESTEROLEMIA IN WESTERN DIET FED MICE

Cédric Langhi[1]; Yolanda F Otero[1]; Florian Le Joubioux[2]; Bruno Guigas[3]; Sébastien Peltier[2]; Pascal Sirvent[1], ([1]Valbiotis, RIOM, France, [2]Valbiotis, PERIGNY, France, [3]Leiden University Medical Center, Leiden, Netherlands)

122 - CHANGES IN LIPOPROTEINS ASSOCIATED WITH PHARMACOLOGICAL STRATEGIES IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION

Zahra Lotfollahi[1]; Ana Paula Mello[2]; Francisco Fonseca[3]; Luciene Machado[1]; Andressa Mathias[1]; Maria Izar[3]; Nagila Damasceno[4]; Cristiano Oliveira[1]; Antonio Figueiredo Neto[1], ([1]Unversity of Sao Paulo, Sao Paulo, Brazil, [2]Centro Universitário São Camilo, Sao paulo, Brazil, [3]Federa University of Sao Paulo, Sao paulo, Brazil, [4]University of São Paulo, sao paulo, Brazil)

APOLIPOPROTEIN B (APO B) AS AN ATHEROGENIC FACTOR IN PATIENTS WITH METABOLIC SYNDROME.

Evgenia Mavrokefalou; Georgios Tomazou; Stella Ntavidi; Adamantia Chioti; Marilena Kylla; Dimitrios Kamarinopoulos; Varvara Polymniou; George Marakomichelakis, (General Hospital of Athens Evaggelismos, Athens, Greece)

THE EFFECT OF PROBIOTIC ON ABDOMINAL AORTIC MALONDIALDEHYDE OF HYPERCHOLESTEROLEMIC RAT MODEL

Miranti Pramaningtyas[1]; Alfi Dewanti[2]; Rokhima Lusiantari[3], ([1]Universitas Islam Indonesia, Sleman, Indonesia, [2]Universitas Islam Indonesia, Sleman, Yogyakarta, Indonesia, [3]Universitas Islam Indonesia, Yogyakarta, Indonesia)

123 - Egyptian Association for Vascular biology and Atherosclerosis (EAVA) consensus on the use of Inclisiran in clinical practice

Ashraf Reda[1]; Ahmed Shawky[2]; Ahmed Elkersh[1]; Atef Elbahry[3]; Elsayed Farag[4]; Mohamed Ashraf[5]; Ahmed Bendary[6], ([1]Menoufia University, Shebin Elkom, Egypt, [2]Ain Shams University, Cairo, Egypt, [3]Port Fouad cardiac center, Pot Fouad, Egypt, [4]Zagazing University, Zagazig, Egypt, [5]National Heart Institute, Giza, Egypt, [6]Benha University, Benha, Egypt)

124 - NORMALIZING EFFECTS OF BACTERIAL SERUM OPACITY FACTOR ON PLASMA LIPIDS, TISSUES, AND ATHEROSCLEROSIS

Dedipya Yelamanchili[1]; Baiba Gillard[1]; Henry Pownall[1]; Antonio Gotto[2]; Corina Rosales[1], ([1]Houston Methodist Research Institute, Houston, United States of America, [2]Weill Cornell Medicine, New York, United States of America)

125 - PLASMA SMALL-DENSE LDL MODULATION IN PATIENTS WITH THYROID DYSFUNCTION: ROLE OF OBESITY AND TYPE 2 DIABETES MELLITUS

Saoussen Medfai[1]; Rim Cherif[1]; Rihab Ben Jemaa[1]; Eya Tlich[1]; Amel Lazzezm[2]; Mohsen Sakly[1]; Nebil Attia[3], ([1]es of Bizerte, Carthage University, TLR11ES33, Lab Unit "Integrate, Faculty of Sciencunisia., Jarzouna-Bizerte, Tunisia, [2]CNSS Polyclinic, Bizerte, Tunisia, [3]University of Carthage, Jarzouna-Bizerte, Tunisia)

VIRAL SIALIDASES AND ATHEROSCLEROSIS.

Evgeny Bezsonov[1]; Dmitry Kashirskikh[1]; Tatiana Kirichenko[2]; Veronika Myasoedova[3]; Alexandra Melnichenko[1]; Varvara Orekhova[4]; Alexander Orekhov[2], ([1]Institute of General Pathology and Pathophysiology, Moscow, Russian Federation, [2]Research Institute of Human Morphology, Moscow, Russian Federation, [3]Centro Cardiologico Monzino IRCCS, Milan, Italy, [4]Institute for Atherosclerosis Research, Moscow, Russian Federation)

STUDY OF IMMOBILIZED NEURAMINIDASE EFFECT ON THE LDL SIALYLATION STATUS IN MICE

Dmitry Kashirskikh[1]; Alexander Markin[2]; Evgeny Bezsonov[1]; Natalia Zheleznyak[3]; Anastasia Vlasova[3]; Nelya Yakhina[4]; Igor Sobenin[5]; Alexander Orekhov[2], ([1]Institute of General Pathology and Pathophysiology, Moscow, Russian Federation, [2]Research Institute of Human Morphology, Moscow, Russian Federation, [3]Federal State Autonomous Educational Institution of Higher Education I.M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation, Moscow, Russian Federation, [4]Pirogov Russian National Research Medical University, Moscow, Russian Federation, [5]National Medical Research Center of Cardiology, Moscow, Russian Federation)

EFFECTS OF LONG COMPUTER GAMING SESSIONS ON LIPOPROTEIN LEVELS IN HEALTHY MALE ADULTS

Kasper Krarup[1]; Henrik Krarup[1]; Inge Pedersen[1]; Morten Mørk[1]; Søren Kristensen[1]; Aase Handberg[1]; Reinhard Wimmer[2]; Hien Nguyen[1], ([1]Aalborg University Hospital, Aalborg, Denmark, [2]Aalborg University, Aalborg, Denmark)

126 - DEVELOPMENT OF "HOMEMADE" OXLDL AND CHARACTERIZATION ON HEAD AND NECK CANCERS CELLS.

Alessandro Scalia[1]; Nadège Kindt[2]; Anne Trelcat[1]; Amandine Nachtergael[1]; Pierre Duez[1]; Stéphane Carlier[1], ([1]CHU Ambroise Paré, Mons, Belgium, [2]Institut Jules Bordet, Bruxelles, Belgium)

127 - INCREASED DNL AND PNPLA3 EXPRESSION BY LIQUID FRUCTOSE ARE ESSENTIAL IN THE PRODUCTION OF FATTY LIVER AND HYPERTRIGLYCERIDEMIA IN A NON-OBESE HFD-FED RAT MODEL

Roger Bentanachs Raset[1]; Ana Velázquez[1]; Aleix Sala-Vila[2]; Iolanda Lázaro[2]; Jose Rodríguez-Morató[3]; Rosa Sánchez[1]; Marta Alegret[1]; Núria Roglans[1]; Juan Carlos Laguna[1], ([1]University of Barcelona, Barcelona, Spain, [2]Hospital del Mar Medical Research Institute, Barcelona, Spain, [3]Hospital del Mar Medical, Barcelon, Spain)

128 - BEMPEDOIC ACID INDUCES PNPLA3 EXPRESSION IN THE LIVER OF FEMALE RATS FED A HIGH-FAT DIET SUPPLEMENTED WITH LIQUID FRUCTOSE

Roger Bentanachs Raset; Ana Velázquez; Núria Roglans; Rosa Sánchez; Juan Carlos Laguna; Marta Alegret, (University of Barcelona, Barcelona, Spain)

129 - KETOHEXOKINASE INHIBITION BY BEMPEDOIC ACID REDUCES FRUCTOSE CONSUMPTION IN FEMALE RATS FED A HIGH-FAT DIET

Roger Bentanachs Raset; Ana Velázquez; Núria Roglans; Rosa Sánchez; Juan Carlos Laguna; Marta Alegret, (University of Barcelona, Barcelona, Spain)

130 - ANGPTL3 AND PCSK9 INTERACT AND SHOW COORDINATED METABOLIC REGULATION IN VITRO.

Simone Bini[1]; Valeria Pecce[1]; Laura D'Erasmo[1]; Alessia Di Costanzo[1]; Ilenia Minicocci[1]; Marcello Arca[2], ([1]Sapienza University of Rome, Roma, Italy, [2]Sapienza University of Rome, Rome, Italy)

131 - CHOLESTEROL TRAPPING BY SOAT1 INDUCES MITOCHONDRIAL CHOLESTEROL ACCUMULATION AND DECREASE OXIDATIVE METABOLISM

Lorenzo Da Dalt[1]; Matteo Pedrelli[2]; Camilla Pramfalk[2]; Giuseppe Danilo Norata[3]; Paolo Parini[4], ([1]Università degli Studi di Milano, Milano, Italy, [2]Karolinska Institutet, Huddinge, Sweden, [3]University of Milan, Milan, Italy, Milano, Italy, [4]Karolinska Institutet/Karolinska University Hospital, Stockholm, Sweden)

132 - IMPACT OF IRON STATUS ON NON-ALCOHOLIC FATTY LIVER DISEASE: A MENDELIAN RANDOMIZATION STUDY

Nooshin Ghodsian[1]; Jérôme Bourgault[2]; Benoit Arsenault[3], ([1]LAVAL UNIVERSITÉ, Quebec City, Canada, [2]Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec, Quebec city, Canada, [3]Université Laval, Québec, Canada)

ASSOCIATION POSTPRANDIAL HYPERTRIGLYCERIDEMIA, CAROTID INTIMA-MEDIA THICKNESS AND BODY MASS INDEX IN PATIENTS WITH CORONARY ARTERY DISEASE COMBINED WITH NONALCOHOLIC LIVER STEATOSIS.

Mariya Grechanyk, (Dnipro State Medical University, Dnipro, Ukraine)

EFFECT OF SPHINGOMYELIN SYNTHASE GENE FAMILY, AS PHOSPHOLIPASE CS, ON NON-ALCOHOLIC STEATOHEPATITIS (NASH)

Xian-Cheng Jiang, (SUNY Downstate Health Sciences University, Brooklyn, United States of America)

THE GI-COUPLED P2Y13 RECEPTOR SIGNALING INHIBITS LIPOLYSIS AND PROTECTS FROM METABOLIC SYNDROME AND ASSOCIATED LIVER DISEASES

Laurent Martinez; Emilia Gore; Guillaume Combes; Cendrine Cabou; Thibaut Duparc, (Institute of Cardiovascular and Metabolic Diseases (I2MC), TOULOUSE, France)

133 - METABOLIC ASSOCIATED FATTY LIVER DISEASE IS HIGHLY PREVALENT IN THE POST-ACUTE COVID SYNDROME

Paolo Raggi[1]; Sara Barbieri[2]; Jovana Milic[2]; Licia Gozzi[2]; Alberto Brigo[2]; Bianca Beghe'[2]; Alessia Verduri[2]; Enrico Clini[2]; Cristina Mussini[2]; Giada Sebastiani[3]; Giovanni Guaraldi[4], ([1]University of Alberta, Edmonton, Canada, [2]University of Modena and Reggio Emilia, Modena, Italy, [3]McGill University, Montreal, Canada, [4]Universita' di Modena e Reggio Emilia, Modena, Italy)

134 - A RARE GENETIC VARIANT IN THE MANGANESE TRANSPORTER SLC30A10 AND ELEVATED LIVER ENZYMES IN THE GENERAL POPULATION

Anne-Sofie Seidelin[1]; Børge Nordestgaard[2]; Anne Tybjaerg-Hansen[3]; Hanieh Yaghootkar[4]; Stefan Stender[5], ([1]Copenhagen University Hospital , Copenhagen, Denmark, [2]The Copenhagen General Population Study, Herlev, Denmark, [3]Rigshospitalet, University of Copenhagen, Copenhagen, Denmark, [4]University of Westminster, London, United Kingdom, [5]Rigshospitalet, Copenhagen, Denmark)

135 - THE IMPACT OF ASGR1 DEFICIENCY ON LIPID AND LIPOPROTEIN METABOLISM DURING ATHEROGENESIS

Monika Svecla[1]; Annalisa Moregola[1]; Lorenzo Da Dalt[2]; Patrizia Uboldi[1]; Alessandra Idini[1]; Fabrizia Bonacina[1]; Alberico L. Catapano[3]; Giuseppe Danilo Norata[4], ([1]University of Milan, Milan, Italy, [2]Università degli Studi di Milano, Milano, Italy, [3]university of Milan, Milan, Italy, [4]University of Milan, Milan, Italy, Milano, Italy)

THE ADIPOKINE PROGRANULIN PROTECTS AGAINST ISCHEMIA REPERFUSION-INDUCED ARRHYTHMIAS IN A RAT MODEL

Asma Alyahya, (king Saud University, Riyadh, Saudi Arabia)

136 - COMPARISON OF ADIPOCYTE SIZE IN TWO RELATED FAT DEPOTS AND THEIR ASSOCIATION TO CARDIOVASCULAR RISK FACTORS

Hana Bartuskova; Sona Kauerova; Ivana Kralova Lesna; Jiri Fronek; Libor Janousek; Rudolf Poledne, (Institute for Clinical and Experimental Medicine, Prague, Czech Republic)

BIOACTIVE LIPIDS AND LIPOPROTEIN LIPASE IN EPICARDIAL ADIPOSE TISSUE FROM PATIENTS WITH CORONARY ARTERY DISEASE: UNFOLDING A MISSING LINK

Gabriela Berg[1]; Magali Barchuk[2]; Patricia Ancel[3]; Ljubica Svilar[3]; Veronica Miksztowicz[4]; Daniel Yñon[5]; Juan Patricio Nogueira[6]; Miguel Rubio[5]; Laura Schreier[2]; Anne Dutour[3]; Jean Charles Martin[3]; Bénédicte Gaborit[3], ([1]Faculty of Pharmacy and Biochemistry/University of Buenos Aires, Buenos Aires, Argentina, [2]Lipids and Atherosclerosis Laboratory, Faculty of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina, [3]Aix-Marseille University, INSERM, INRAE, C2VN, France, Marseille, France, [4]Lab. de Patología Cardiovascular Experimental e Hipertensión Arterial., Buenos Aires, Argentina, [5]Hospital de Clínicas "José de San Martín", Argentin, Buenos Aires, Argentina, [6]Universidad Nacional de Formosa , Argentina, Formosa, Argentina)

POTENTIAL MEDICINAL BENEFITS OF MANGROVE PLANTS IN REDUCING CHOLESTEROL: A SCOPING REVIEW

Luqman Abu-Bakar, (Universiti Malaysia Kelantan , Pengkalan Chepa, Malaysia)

APOLIPOPROTEINS A1 LEVEL IN THE PLASMA OF PATIENTS WITH COVID-19

Liubov Sokolova; Julia Belchina; Volodymir Pushkarev; Olena Kovzun; Victor Pushkarev; Mykola Tronko, (Institute of Endocrinology, Kyiv, Ukraine)

UNVEILING THE ANTIATHEROGENIC ROLE OF ADVANCED LIPOPROTEIN CHARACTERISTICS IN POSTOPERATIVE SUBJECTS WITH MORBID OBESITY

Júlia Carmona-Maurici[1]; Nuria Amigo[2]; Jorge Juan Olzina Kissler[3]; Juan Antonio Baena-Fustegueras[3]; Josep Julve[4]; Julia Peinado-Onsurbe[1]; Eva Pardina[1], ([1]Universitat de Barcelona, Barcelona, Spain, [2]Biosfer Teslab SL; DEEEA, Metabolomics platform, Universitat Rovira i Virgili, IISPV, Barcelona, Spain, [3]Arnau de Vilanova University Hospital (UdL), Lleida, Spain, Lleida, Spain, [4]Biomedical Research Institute Sant Pau (IIb-St Pau), Barcelona, Spain)

IMPLICATIONS OF ATHEROGENIC INDEX IN ATHEROSCLEROSIS TO OLDER PATIENTS

Gianina Ioana Constantin; Simona Opris; Catalina Monica Pena, ("Ana Aslan" National Institute of Gerontology and Geriatrics, Bucharest, Romania)

137 - INTERPLAY BETWEEN S1P RECEPTORS AND SR-BI IN ATHEROSCLEROSIS RELEVANT CELLS: NEW INSIGHT FROM TRANSGENIC ANIMALS

Mattia Dessena[1]; Manuela Simoni[2]; Jerzy-Roch Nofer[3]; Arnold Von Eckardstein[4]; Francesco Potì[1], ([1]University of Parma, Parma, Italy, [2]University of Modena and Reggio Emilia, Modena, Italy, [3]University Hospital of Münster, Münster, Germany, [4]University of Zurich and University Hospital of Zurich, Zurich, Switzerland)

138 - ESTIMATING THE CAUSAL EFFECTS OF CARDIOMETABOLIC FACTORS ON CORONARY ARTERY DISEASE IN BRITISH PAKISTANIS AND BANGLADESHIS: A TRANS-ANCESTRY MENDELIAN RANDOMISATION STUDY

Diana Dunca, (UCL, London, United Kingdom)

139 - STATIN THERAPY IS NOT ASSOCIATED WITH INSULIN RESISTANCE IN CHILDREN AND ADOLESCENTS WITH FAMILIAL HYPERCHOLESTEROLAEMIA

Urh Groselj[1]; Jaka Šikonja[2]; Matej Mlinarič[1]; Primoz Kotnik[3]; Tadej Battelino[1]; Joshua Knowles[4], ([1]University of Ljubljana, Ljubljana, Slovenia, [2] Metlika, Slovenia, [3]University Children's Hospital, UMC Ljubljana, Ljubljana, Slovenia, [4]Stanford University, palo alto, United States of America)

C-13 NMR SPECTROSCOPIC CHARACTERIZATION AND DISTINCTION OF EPA AND DHA IN LIPID EMULSIONS

James Hamilton[1]; Nasi Huang[1]; Jesse Ng[1]; Troy Gubler[1]; Raisa Khuda[2]; Richard Deckelbaum[3]; Chuchun Chang[3], ([1]Boston University School of Medicine, Boston, United States of America, [2]Boston University, Boston, United States of America, [3]Columbia University Irving Medical Center, New York, United States of America)

RELATIONSHIP BETWEEN THE CHOLESTEROL AND TRIGLYCERIDE CONTENT OF LIPOPROTEIN SUBCLASSES AND CAROTID INTIMA-MEDIA THICKNESS: RESULTS FROM THE KYUSHU AND OKINAWA POPULATION STUDY (KOPS)

Hiroaki Ikezaki[1]; Masumi Ai[2]; Mitsuyo Okazaki[2]; Jun Hayashi[1]; Nobuyuki Shimono[1]; Ernst Schaefer[3], ([1]Kyushu University Hospital, Fukuoka, Japan, [2]Tokyo Medical and Dental University, Tokyo, Japan, [3]Tufts University, Boston, United States of America)

140 - APO E MUTATIONS AS A CAUSE OF FAMILIAR HYPERCHOLESTEROLEMIA IN NORTH-EAST MORAVIA REGION

Pavla Jadrníčková; Jan Václavík, (Fakultní nemocnice Ostrava, Ostrava, Czech Republic)

COMPARISON OF FENOFIBRATE AND REDUCED DOSE OF GEMFIBROZIL ON LIPID PROFILES AND RENAL FUNCTION

Chee Jeong Kim[1]; Myung-A Kim[2], ([1]Chung-Ang University Hospital, Seoul, Korea, Republic of, [2]Seoul National University Boramae Hospital, Seoul, Korea, Republic of)

141 - THERAPEUTIC PLASMA EXCHANGE FOR HYPERTRIGLYCERIDEMIA: A RETROSPECTIVE STUDY.

Kaspars Kivlinieks[1]; Evita Skrula[1]; Dace Trumpika[2]; Eva Bormane[1]; Anda Grigane[1]; Julija Voicehovska[2], ([1]RAKUS, Riga, Latvia, [2]Riga Stradins university, Riga, Latvia)

THE REAL EXPERIENCE OF REACHING AN EXTREMELY LOW LDL-C LEVEL IN HIGH RISK PATIENTS

Victoria Korneva[1]; Tatiana Kuznetsova[2], ([1]Petrozavodsk State University, PETROZAVODSK, Russian Federation, [2]National Medical Research Center of Cardiology, Moscow, Russian Federation)

CELL MODEL OF CO-COULTIVATION OF ENDOTHELIAL AND MAST CELLS TO STUDY THE MECHANISMS OF ATHEROGENESIS

Olga Maltseva, (Federal State Budgetary Scientific Institution 'Institute of Experimental Medicine, St. Petersburg, Russian Federation)

POINT OF CARE TESTING FOR HYPERLIPIDEMIA :LIMITATIONS AND BENEFITS

Tania Martinez; Bernardo Almeida; Anita Saldanha; Carolina Cardoso; Marileia Scartezini; Lucca Malucelli; Caio Klosovski; Ana Paula Margeotto; Andre Gasparoto; Abel Pereira; Tereza Bellincanta, (Hospital Beneficiencia Portuguesa de Sao Paulo, Sao Paulo, Brazil)

142 - EICOSAPENTAENOIC ACID (EPA) COMBINED WITH HIGH-INTENSITY STATINS REDUCE LIPID OXIDATION IN MODEL MEMBRANES COMPARED TO DOCOSAHEXAENOIC ACID (DHA)

Samuel Sherratt[1]; Peter Libby[2]; Deepak Bhatt[2]; Preston Mason[3], ([1]University of New Hampshire, Durham, United States of America, [2]Brigham & Women's Hospital, Boston, United States of America, [3]Brigham and Women's Hospital, Beverly, United States of America)

143 - BROWN SEAWEEDS ACTIVATING LIVER X RECEPTORS: POTENTIAL ROLE IN THE PREVENTION OF NEURODEGENERATIVE AND CARDIOMETABOLIC DISEASES

Monique Mulder[1]; Nikita Martens[1]; Na Zhan[2]; Gardi Voortman-Minderman[1]; Hongbing Liu[2]; Folkert Kuipers[3]; Hans Jonker[3]; Dieter Luetjohann[4]; Tim Vanmierlo[5], ([1]Erasmus MC University Medical Center, Rotterdam, Netherlands, [2]Ocean University of China, Qingdao, China, [3]UMCG, Groningen, Netherlands, [4]University Clinics Bonn, Bonn, Germany, [5]Hasselt University, Diepenbeek, Belgium)

NUMBER OF LIPID-LOWERING MEDICATIONS AND ATTAINMENT OF LIPID GOALS IN FAMILIAL HYPERCHOLESTEROLEMIA PATIENTS: DATA FROM THE LATVIAN REGISTRY

Georgijs Nesterovics; Vita Saripo; Ruta Meiere; Elizabete Terauda; Gunda Skudrina; Dainus Gilis; Andrejs Erglis; Gustavs Latkovskis, (Pauls Stradins Clinical University Hospital, Riga, Latvia)

144 - CYCLODEXTRIN DIMERS FOR THE REMEDIATION OF ATHEROSCLEROTIC PLAQUE

Matthew Oconnor; Daniel Clemens, (Underdog Pharmaceuticals, Mountain view, United States of America)

145 - ANTI-INFLAMMATORY EFFECT OF APOLIPOPROTEIN J IN DB/DB MICE FED ATHEROGENIC DIET

Núria Puig[1]; Andrea Rivas-Urbina[2]; Jose Rives[3]; Laura Rabanal[2]; Josep Julve[2]; Noemi Rotllan[2]; Jose Luis Sánchez-Quesada[2]; Sonia Benitez[2], ([1]IIb St Pau - Biomedical Research Institute St Pau, Barcelona, Spain, [2]Biomedical Research Institute Sant Pau (IIb-St Pau), Barcelona, Spain, [3]Hospital de la Santa Creu i Sant Pau, Barcelona, Spain)

146 - MAPPING OF FAMILIAL HYPERCHOLESTEROLEMIA BASIC INFRASTRUCTURE IN PAKISTAN

Fouzia Sadiq[1]; Saeed Shafi[1]; Madeeha Khan[1]; Quratul Ain[1]; Iqbal Khan[2]; Habibur Rehman[2]; Jaka Šikonja[3]; Matej Mlinarič[4]; Samuel Gidding[5]; Urh Groselj[4], ([1]Shifa Tameer-e-Millat University, Islamabad, Pakistan, Islamabad, Pakistan, [2]Shifa International Hospital, Islamabad, Pakistan, Islamabad, Pakistan, [3] Metlika, Slovenia, [4]University of Ljubljana, Ljubljana, Slovenia, [5]Geisinger Health, PA, United States of America)

147 - TRANSIENT ELEVATION OF HUMORAL RESPONSES AGAINST APOLIPOPROTEIN A-1 FOLLOWING COVID-19 AND ITS ASSOCIATION WITH SYMPTOMS PERSISTENCE

Arnaud L'Huillier[1]; Sabrina Pagano[2]; Stephanie Baggio[1]; Benjamin Meyer[3]; Diego Andrey[2]; Mayssam Nehme[4]; Idris Guessous[4]; Christiane Eberhardt[3]; Angela Huttner[5]; Klara Posfay-Barbe[1]; Sabine Yerly[2]; Claire-Anne Siegrist[3]; Laurent Kaiser[2]; Nicolas Vuilleumier[2], ([1]Geneva University Hospitals and Geneva University, Geneva, Switzerland, [2]Geneva University Hospital, Geneva, Switzerland, [3]University of Geneva, Geneva, Geneva, Switzerland, [4]Geneva University Hospitals and Faculty of Medicine, Geneva, Switzerland, [5]Geneva University Hospitals, Geneva, Switzerland)

SIGNIFICANCE OF LDL-C IN APPEARANCE OF MYOCARDIAL INFARCTION IN COVID-19 PATIENTS IN BOSNIAN POPULATION – ONE CENTER EXPERIENCE

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STUDY OF THE CONTRIBUTION OF TRIGLYCERIDEMIA TO THE DEVELOPMENT OF CARDIOVASCULAR RISK IN PATIENTS WITH A HISTORY OF ISCHEMIC HEART DISEASE

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PREVALENCE OF PREMATURE ATHEROSCLEROTIC CORONARY ARTERY DISEASE (CAD) AMONG MEN AND WOMEN WITH FAMILIAL HYPERCHOLESTEROLAEMIA (FH) IN LITHUANIA

Urtė Aliošaitienė[1]; Žaneta Petrulionienė[1]; Egle Skiauteryte[1]; Dovile Gabartaite[2]; Emilija Meskene[1]; Juste Staigyte[2]; Rimantė Čerkauskienė[1]; Viktoras Sutkus[1]; Jurate Barysiene[1]; Milda Kovaite[1]; Vilma Dzenkeviciute[1]; Jolita Badariene[1]; Sandra Kutkiene[1]; Egidija Rinkuniene[1]; Rasa Strupaite-Sileikiene[2]; Rusne Jakaite[1]; Goda Jackute[2], ([1]Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania, [2]Vilnius University, Vilnius, Lithuania)

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Francisco Araújo[1]; Daniel Seabra[2]; Marta Afonso-Silva[3]; Diana Grangeia[3]; Tiago Taveira-Gomes[4]; Cristina Gavina[4], ([1]Hospital Lusíadas, Lisbon, Portugal, [2]Hospital Pedro Hispano, Matosinhos, Portugal, [3]Novartis Farma - Produtos Farmacêuticos SA, Porto Salvo, Portugal, [4]Faculdade de Medicina, Universidade do Porto, Porto, Portugal)

CARDIOVASCULAR RISK FACTORS IN YOUNG PATIENTS PRESENTING WITH STEMI IN A CITY OF SOUTH EUROPE

Diego Félix Arroyo Moñino; Carlos Barea González; Marta Pelaz Sánchez; Néstor García González; Juan Carlos García Rubira, (Hospital Universitario Virgen Macarena, Sevilla, Spain)

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Sevda Aygun[1]; Mert Dogan[1]; Yusuf Ziya Şener[2]; Ahmet Hakan Ateş[3]; Kudret Aytemir[3]; Lale Tokgözoğlu[4], ([1]Hacettepe University Faculty of Medicine, Turkey, Turkey, [2]Beypazarı State Hospital, Ankara, Turkey, [3]Hacettepe University Hospital, Ankara, Turkey, [4]Hacettepe University Medical Faculty, Ankara, Turkey)

NOVEL PROGNOSTIC CUT-OF LEVEL FOR THE LDL CHOLESTEROL IN YOUNG STEMI PATIENTS

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ASSOCIATION OF COGNITIVE FUNCTION WITH OXYTOCIN AS A SOCIAL HORMONE IN A COMMUNITY DWELLING JAPANESE WOMEN; UKU STUDY

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EPIDEMIOLOGY OF CEREBROVASCULAR DISEASE AMONG THE ADULT POPULATION OF THE PRINCIPAL CITY: RESULTS OF A ONE-DECADE PROSPECTIVE COHORT STUDY

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Federica Galimberti[1]; Elena Olmastroni[2]; Alberico L. Catapano[3]; Elena Tragni[4]; Manuela Casula[2], ([1]University of Milan and Multimedica IRCCS, Milan, Italy, [2]University of Milan, Milan, Italy, [3]university of Milan, Milan, Italy, [4]University of Milan, Epidemiology and Preventive Pharmacology Service (SEFAP), Milan, Italy)

IMPLEMENTATION OF A DASHBOARD FOR MONITORING HEALTH DATA AT REGIONAL LEVEL IN ITALY

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CRYPTOGENIC STROKE: THE RIDDLE WITH POSSIBLE SOLUTION

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PRESENCE OF SUBCLINICAL ATHEROSCLEROSIS BEFORE 45 YEARS. ANALYSIS FROM A COHORT STUDY IN ARGENTINA

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153 - COMPARISON OF CORONARY ARTERY CALCIUM SCORE AND ITS DETERMINANTS IN PATIENTS WITH FAMILIAL COMBINED HYPERLIPIDEMIA AND TYPE 2 DIABETES, IN PRIMARY CARDIOVASCULAR PREVENTION

Zoé Henry[1]; Oriane Marmontel[2]; Laetitia Balaire[3]; Charlotte Marsot[3]; Mathilde Di Filippo[2]; Philippe Moulin[4]; Sybil Charriere[3], ([1] Lyon, France, [2]Service de Biochimie et Biologie moléculaire Grand Est, Bron, France, [3]Hôpital Louis Pradel, Bron cedex, France, [4]université Lyon1,/INSERM/HCL, Lyon, France)

154 - DIGITAL TWINS FOR PREDICTION OF ATHEROSCLEROSIS PROGRESSION AND STROKE

Tilda Herrgårdh; Christian Simonsson; Kajsa Tunedal; Gunnar Cedersund, (Linköpings universitet, Linköping, Sweden)

IMPACT OF GENDER DIFFERENCES AND GLYCATED HAEMOGLOBIN ON ATHEROSCLEROSIS RISK IN TYPE 2 DIABETIC PATIENTS FROM NORTH WESTERN ALGERIA

Bouragba Imane; Diaf Mustapha; Boularbag Hannan, (Djillali LIABES University, Sidi-Bel-Abbes, Algeria)

ESTIMATION OF ATHEROSCLEROSIS RISK IN TYPE 1 AND TYPE 2 DIABETIC PATIENTS FROM NORTH WESTERN ALGERIA THROUGH THE EVALUATION OF LIPID RATIOS.

Bouragba Imane; Diaf Mustapha; Boularbag Hannan, (Djillali LIABES University, Sidi-Bel-Abbes, Algeria)

155 - THE EFFECT OF SEDENTARY TIME ON BLOOD LIPIDS AND ANTHROPOMETRIC PARAMETERS IN HEALTHY PHYSICALLY ACTIVE PEOPLE.

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THE PREVALENCE OF RISK FACTORS AND PATTERN OF OBSTRUCTIVE CAD IN YOUNG INDIANS (< 45 YEARS) UNDERGOING PCI: A GENDER-BASED MULTI-CENTER STUDY

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THE EFFECT OF ULTRA-PROCESSED, HIGH-FAT FOODS ON CHILDREN'S WEIGHT STATUS

Aikaterini Kanellopoulou[1]; Eleni Antoniou[1]; Venetia Notara[2]; George Antonogeorgos[1]; Andrea-Paola Rojas-Gil[3]; Ekaterina Kornilaki[4]; Maria-Eleni Kordoni[2]; Anna Velentza[2]; Magdalini Mesimeri[2]; Areti Lagiou[2]; Demosthenes Panagiotakos[5], ([1]Harokopio University of Athens, Athens, Greece, [2]University of West Attica, Athens, Athens, Greece, [3]University of Peloponnese, Tripoli, Greece, [4]University of Crete, Rethimno, Greece, [5]Harokopio University, Athens, Greece, Kallithea, Greece)

CHANGES OF CARDIOVASCULAR DISEASE RISK IN DIABETIC AND NON-BIABETIC INDIVIDUALS IN IRAN DURING THE PAST DECADE

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Thanh Huong Truong[1]; Ngoc Thanh Kim[2]; Hong Phu Vu[3]; Mai Ngoc Nguyen[3]; Doan Loi Do[1]; Thanh Tung Le[3]; Hong An Le[3], ([1]Hanoi Medical University, Hanoi, Viet Nam, [2]Hanoi Medical University, 100000, Viet Nam, [3]Bach Mai Hospital, Hanoi, Viet Nam)

SUBCLINICAL ATHEROSCLEROTIC LESIONS OF THE CAROTID ARTERIES IN RHEUMATOID ARTHRITIS PATIENTS WITH LOW CARDIOVASCULAR RISK

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NUTRITIONAL FEATURES OF WOMEN WITH ARTERIAL HYPERTENSION AND ABDOMINAL OBESITY FROM THE STANDPOINT OF THE RISK OF CARDIOVASCULAR DISEASES ASSOCIATED WITH ATHEROSCLEROSIS

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BURDEN OF FH IN ENGLAND

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THE CHANGE OF LDL-C AND TREATMENT PATTERNS AMONG DOCUMENTED CAD/MI PATIENTS WHO UNDERWENT CAG IN TAIWAN: A RETROSPECTIVE COHORT STUDY

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Roberto Lorbeer[1]; Susanne Rospleszcz[2]; Christopher Schlett[3]; Sophia Rado[4]; Barbara Thorand[2]; Christa Meisinger[2]; Wolfgang Rathmann[5]; Margit Heier[2]; Ramachandran Vasan[6]; Fabian Bamberg[3]; Annette Peters[2]; Wolfgang Lieb[7], ([1]Klinikum der LMU, München, Germany, [2]Helmholtz Zentrum München, Neuherberg, Germany, [3]University Freiburg, Freiburg, Germany, [4]Eberhard Karl University Tübingen, Tübingen, Germany, [5]German Diabetes Center, Düsseldorf, Germany, [6]Boston University School of Medicine and Framingham Heart Study, Boston, United States of America, [7]Kiel University, Kiel, Germany)

CURRENT CAUSES OF DEATH IN FAMILIAL HYPERCHOLESTEROLEMIA

Victoria Marco-Benedí[1]; Ana Maria Bea[2]; Ana Cenarro[1]; Estibaliz Jarauta[2]; Martin Laclaustra[2]; Fernando Civeira[1], ([1]Instituto de Investigación Sanitaria Aragón, Zaragoza, Spain, [2]Hospital Universitario Miguel Servet, IIS Aragón, CIBERCV, Zaragoza, Spain)

THE ASSOCIATION OF VISIT-TO-VISIT BLOOD PRESSURE VARIABILITY WITH SCORE2 CARDIOVASCULAR RISK IN UKRAINIAN RURAL MALES WITH ARTERIAL HYPERTENSION

Kyrylo Mikhaliev[1]; Tetiana Nimtsovych[2]; Anatolii Kravchenko[1]; Vitalii Gurianov[3]; Tamara Chursina[4]; Svitlana Stanislavska[1], ([1]SIS "RPC PCM" SAD, Kyiv, Ukraine, [2]PNPE «Khmelnytskyi Regional Cardiovascular Center» Khmelnytskyi Regional Council, Khmelnytskyi, Ukraine, [3]Bogomolets National Medical University, Kyiv, Ukraine, [4]Bukovinian State Medical University, Chernivtsi, Ukraine)

TRANSLATING NOVEL EVIDENCE INTO PRACTICE: CONSENSUS FOR INTENSIVE THERAPY WITH HIGH DOSE POTENT STATIN TO IMPROVE OUTCOMES IN ACUTE CORONARY SYNDROME

Jc Mohan[1]; Ashwani Mehta[2]; Praveen Chandra[3]; Padhinhare Mohanan[4]; Jabir Abdullakutty[5]; Abraham Oomman[6]; Sanjay Porwal[7]; Kamal Sharma[8]; Mahantesh Charantimath[9]; Suvro Banerjee[10]; Soumitra Kumar[11]; Group Novel[12], ([1]Jaipur Golden, Delhi, India, [2]GB Pant Hospital, Delhi, India, [3]Medanta Medicity, Gurgaon, India, [4]Westfort Hi-Tech Hospital, Thrissur, India, [5]Lisie Hospital, Cochin, India, [6]Apollo Hospitals, Chennai, India, [7]KLE Society's Dr. Prabhakar Kore Hospital & Research Centre, Belagavi, India, [8]U.N.Mehta Institute Of Cardiology, Ahmedabad, India, [9]Tathagat Heart Care Centre & Hospital, Bangalore, India, [10]Apollo Gleneagles Hospital, Kolkata, India, [11]Fortis Hospital, Kolkata, India, [12]NOVEL GROUP, Mumbai, India)

FIRST_PAGE SETTINGS OPEN ACCESSARTICLE THE EFFECTS OF REDUCED PHYSICAL ACTIVITY ON THE LIPID PROFILE IN PATIENTS WITH HIGH CARDIOVASCULAR RISK DURING COVID-19 LOCKDOWN

Marco Alfonso Perrone[1]; Massimo Pieri[2]; Ferdinando Iellamo[1]; Sergio Bernardini[2]; Attilio Parisi[3], ([1]University of Rome Tor Vergata, Rome, Italy, [2]Univerisity of Rome Tor Vergata, Rome, Italy, [3]University of Rome Foro Italico, Rome, Italy)

WHY YOUNG MEN HAVING EXCESSIVE BODY WEIGHT SHOULD BE PHYSICALLY ACTIVE?

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THE SEVERITY OF DANGER OF HIGH LDL IN THE GENERAL POPULATION

Samir Rafla[1]; Kamal Mahmoud[1]; Ibrahim Attia[1]; Mohamed Elfeky[2], ([1]Alexandria University, Alexandria, Egypt, [2]Faculty of Medicine Alexandria University, Alexandria, Egypt)

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Yuliya Ragino[1]; Alyona Khudyakova[2]; Eugeniia Striukova[3]; Diana Denisova[1]; Liliya Shcherbakova[1], ([1]Research Institute of Internal and Preventive Medicine – Branch of IC&G SB RAS, Novosibirsk, Russian Federation, [2]The Institute of Internal and Preventive Medicine – a branch of a federal publicly funded scientific institution, the federal research center Institute of Cytology and Genetics, the Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russian Federation, [3]Research Institute of Internal and Preventive Medicine, Novosibirsk, Russian Federation)

PREVALENCE OF HYPODYNAMIA IN PATIENTS WITH ISCHEMIC HEART DISEASE

Rano Rajabova[1]; Nargiza Nurillaeva[2]; Surayo Shukurdjanova[2], ([1] 178, Uzbekistan, [2]Tashkent Medical Academy, Tashkent, Uzbekistan)

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Morphology, Moscow, Russian Federation, [3]Research Institute of Human Morphology, Moscow, Russian Federation, [4]National Medical Research Center of Cardiology, Moscow, Russian Federation)

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Roberto Scicali; Viviana Ferrara; Salvatore Piro; Francesco Purrello; Antonino Di Pino, (ARNAS GARIBALDI NESIMA, Catania, Italy)

BURDEN OF ASCVD IN ENGLAND

Divyagiri Seshagiri[1]; Adeline Durand[2]; Christopher Morgan[3]; Raquel Lahoz[1], ([1]Novartis Pharma AG, Basel, Switzerland, [2]Novartis Pharmaceuticals UK Ltd, London, United Kingdom, [3]Pharmatelligence, Cardiff, United Kingdom)

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Dr Shabana; Saleem Shahid, (University of the Punjab, Lahore, Pakistan)

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Svetlana Stoica[1]; Andreea Rus[1]; Dan Gaita[2], ([1]"Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania, [2] , Romania)

CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN PREDICTING MACE ACCORDING TO A 5-YEARS PROSPECTIVE STUDY IN THE BELARUSIAN URBAN POPULATION

Julia Surunovich[1]; Vladislav Podpalov[2], ([1]Vitebsk State Medical University , Vitebsk, Belarus, [2]Vitebsk State Medical University, Vitebsk, Belarus)

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Karianne Svendsen[1]; Thomas Olsen[2]; Kathrine Vinknes[3]; Liv Mundal[3]; Kirsten Holven[3]; Martin Bogsrud[3]; Jannicke Igland[4]; Kjetil Retterstøl[3], ([1]Blindern , OSLO, Norway, [2]University of Oslo, Oslo, Norway, [3]Oslo University Hospital, Oslo, Norway, [4]University of Bergen, Bergen, Norway)

TRIGLYCERIDE–GLUCOSE (TYG) INDEX FOR ACUTE MYOCARDIAL INFARCTION PATIENTS WITH OR WITHOUT METABOLIC FATTY LIVER (MAFLD): A RETROSPECTIVE STUDY

Mingwei Wang; Chunyi Wang, (Affiliated Hospital of Hangzhou Normal University, Hangzhou, China)

CAROTID INTIMA-MEDIA THICKNESS IS ASSOCIATED WITH PREVALENCE OF ATRIAL FIBRILLATION

Maki Yamamoto[1]; Mika Enomoto[1]; Ako Fukami[1]; Nagisa Morikawa[1]; Hiromi Sato[1]; Hisashi Adachi[2]; Yoshihiro Fukumoto[1], ([1]Kurume Univiersity School of Medicine, Kurume, Fukuoka, Japan, [2]Keikokai, Hara Hospital, Fukuoka, Japan)

DIETARY COPPER INTAKE AND RISK OF STROKE IN ADULTS: A CASE-CONTROL STUDY BASED ON NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY 2013–2018

Lixiang Yang; Huilin Cheng, (Southeast university, Nanjing, China)

DISTRIBUTION OF NORMAL BODY MASS INDEX (BMI) ACCORDING TO CLINICAL FAMILIAL HYPERCHOLESTEROLAEMIA (FH) DIAGNOSIS IN LITHUANIA

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DISTRIBUTION OF OVERWEIGHT AMONG MEN AND WOMEN WITH CLINICAL DIAGNOSIS OF FAMILIAL HYPERCHOLESTEROLAEMIA (FH) IN LITHUANIA

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PREVALENCE OF OBESITY AMONG MEN AND WOMEN WITH CLINICAL DIAGNOSIS OF FAMILIAL HYPERCHOLESTEROLAEMIA (FH) IN LITHUANIA

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PREVALENCE AND PROGNOSTIC IMPACT OF LIPID GOAL ATTAINMENT AND PATIENT ADHERENCE TO LOWERING LIPID TREATMENT: DATA FROM COMMUNITY ITALIAN SETTING

Chiara Cappelletto[1]; Agnese Garavaglia[2]; Simone Poli[3]; Elena Peruzzi[3]; Arjuna Scagnetto[4]; Giulia Barbati[5]; Andrea Di Lenarda[4], ([1] Monfalcone, Italy, [2]Novartis Farma, Origgio, Italy, [3]Novartis Farma S.p.A., Origgio, Italy, [4]University Hospital and Health Services of Trieste, TRIESTE, Italy, [5]Biostatistics Unit, Trieste, Italy)

CARDIOVASCULAR RISK CLASSIFICATION AND LIPID LOWERING TREATMENT PRESCRIPTIONS IN A REAL-WORLD: INSIGHT FROM ITALIAN COMMUNITY COHORT

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LDL-C CONTROL ACCORDING TO RISK: IS THERE A GENDER PARADOX?

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DYSLIPIDEMIA - INCIDENCE IN ONCOLOGICAL AND CANCER-FREE PATIENTS

Kristiyan Georgiev, (Varna, Bulgaria)

164 - DISTRIBUTION OF CARDIOVASCULAR RISK AMONG PATIENTS WITH DYSLIPIDEMIA IN TURKEY: RESULTS FROM A DELPHI PANEL

Mehmet Yilmaz[1]; Ozlem Cinar[2]; Baris Gungor[3]; Meral Kayikcioglu[4]; Tuba Oz[5]; Oner Ozdogan[6]; Umit Sinan[7]; Ahmet Temizhan[8]; Uygar Yuksel[9]; Lale Tokgözoğlu[10], ([1]Dokuz Eylul University, Izmir, Turkey, [2]Novartis Pharma, Ankara, Turkey, [3]Dr. Siyami Ersek Cardiovascular and Thoracic Surgery Center, Istanbul, Turkey, [4]Ege University School of Medicine, Izmir, Turkey, [5]Liv Hospital Ulus, Istinye University, Istanbul, Turkey, [6]University of Health Sciences, Izmir Faculty of Medicine, Izmir, Turkey, [7]Institute of Cardiology, Istanbul University, Istanbul, Turkey, [8]University of Health Sciences,, Izmir, Turkey, [9]Gülhane Training and Research Hospital, Ankara, Turkey, [10]Hacettepe University Medical Faculty, Ankara, Turkey)

165 - MANAGEMENT OF SECONDARY PREVENTION PATIENTS WITH LDL-CHOLESTEROL LEVELS < 70MG/DL (1.8MMOL/L): AN ANALYSIS BASED ON DELPHI PANEL APPROACH

Meral Kayikcioglu[1]; Ahmet Temizhan[2]; Baris Gungor[3]; Mehmet Yilmaz[4]; Oner Ozdogan[5]; Ozlem Cinar[6]; Tuba Oz[7]; Umit Sinan[8]; Uygar Yuksel[9]; Lale Tokgözoğlu[10], ([1]Ege University School of Medicine,

Izmir, Turkey, [2]University of Health Sciences,, Izmir, Turkey, [3]Dr. Siyami Ersek Cardiovascular and Thoracic Surgery Center, Istanbul, Turkey, [4]Dokuz Eylul University, Izmir, Turkey, [5]University of Health Sciences, Izmir Faculty of Medicine, Izmir, Turkey, [6]Novartis Pharma, Ankara, Turkey, [7]Liv Hospital Ulus, Istinye University, Istanbul, Turkey, [8]Institute of Cardiology, Istanbul University, Istanbul, Turkey, [9]Gülhane Training and Research Hospital, Ankara, Turkey, [10]Hacettepe University Medical Faculty, Ankara, Turkey)

166 - MANAGEMENT OF PATIENTS WITH LDL-CHOLESTEROL LEVELS >190MG/DL (4.9MMOL/L) IN TURKEY: AN ANALYSIS BASED ON DELPHI PANEL APPROACH

Meral Kayikcioglu[1]; Uygar Yuksel[2]; Mehmet Yilmaz[3]; Ahmet Temizhan[4]; Umit Sinan[5]; Oner Ozdogan[6]; Tuba Oz[7]; Mesut Kuş[8]; Baris Gungor[9]; Lale Tokgözoğlu[10], ([1]Ege University School of Medicine, Izmir, Turkey, [2]Gülhane Training and Research Hospital, Ankara, Turkey, [3]Dokuz Eylul University, Izmir, Turkey, [4]University of Health Sciences,, Izmir, Turkey, [5]Institute of Cardiology, Istanbul University, Istanbul, Turkey, [6]University of Health Sciences, Izmir Faculty of Medicine, Izmir, Turkey, [7]Liv Hospital Ulus, Istinye University, Istanbul, Turkey, [8]Novartis Pharma, Istanbul, Turkey, [9]Dr. Siyami Ersek Cardiovascular and Thoracic Surgery Center, Istanbul, Turkey, [10]Hacettepe University Medical Faculty, Ankara, Turkey)

THE CURRENT STATUS OF LIPID CONTROL IN ELDERLY HIGH-RISK PATIENTS WITH DYSLIPIDEMIA IN TAIWAN

Chih-Hung Liang[1]; Ya-Hui Chang[2]; Chia-Ling Tsai[2]; Jen-Yu Chuang[2]; Chih-Chung Hsiao[2]; Yi-Hong Zeng[2]; Yi-Han Chen[3]; Hung-I Yeh[2]; Chao-Feng Lin[2], ([1] New Taipei City, Taiwan, [2]MacKay Memorial Hospital, Taipei, Taiwan, [3]Taipei Medical University, Taipei, Taiwan)

THE PREVALENCE, AWARENESS, TREATMENT, AND CONTROL OF DYSLIPIDEMIA AMONG ETHNIC GROUPS IN KAZAKHSTAN

Alibek Mereke; Mukhtar Kulimbet; Batyrbek Assembekov; Anar Dushpanova; Yelena Chernokurova; Sundetkali Kalmakhanov; Kairat Davletov, (Al-Farabi Kazakh National University, Almaty, Kazakhstan)

167 - FIRST DIAGNOSIS AND FOLLOW UP FEATURES OF PATIENTS WITH DYSLIPIDEMIA IN TURKEY

Oner Ozdogan[1]; Baris Gungor[2]; Meral Kayikcioglu[3]; Tuba Oz[4]; Koray Ozcan[5]; Umit Sinan[6]; Ahmet Temizhan[7]; Mehmet Yilmaz[8]; Uygar Yuksel[9]; Lale Tokgözoğlu[10], ([1]University of Health Sciences, Izmir Faculty of Medicine, Izmir, Turkey, [2]Dr. Siyami Ersek Cardiovascular and Thoracic Surgery Center, Istanbul, Turkey, [3]Ege University School of Medicine, Izmir, Turkey, [4]Liv Hospital Ulus, Istinye University, Istanbul, Turkey, [5]Novartis Pharma, Istanbul, Turkey, [6]Institute of Cardiology, Istanbul University, Istanbul, Turkey, [7]University of Health Sciences,, Izmir, Turkey, [8]Dokuz Eylul University, Izmir, Turkey, [9]Gülhane Training and Research Hospital, Ankara, Turkey, [10]Hacettepe University Medical Faculty, Ankara, Turkey)

168 - HOSPITALIZATION FEATURES AND MORTALITY RATES OF VERY HIGH-RISK PATIENTS WITH DYSLIPIDEMIA IN TURKEY

Oner Ozdogan[1]; Baris Gungor[2]; Meral Kayikcioglu[3]; Tuba Oz[4]; Koray Ozcan[5]; Umit Sinan[6]; Ahmet Temizhan[7]; Mehmet Yilmaz[8]; Uygar Yuksel[9]; Lale Tokgözoğlu[10], ([1]University of Health Sciences, Izmir Faculty of Medicine, Izmir, Turkey, [2]Dr. Siyami Ersek Cardiovascular and Thoracic Surgery Center, Istanbul, Turkey, [3]Ege University School of Medicine, Izmir, Turkey, [4]Liv Hospital Ulus, Istinye University, Istanbul, Turkey, [5]Novartis Pharma, Istanbul, Turkey, [6]Institute of Cardiology, Istanbul University, Istanbul, Turkey, [7]University of Health Sciences,, Izmir, Turkey, [8]Dokuz Eylul University, Izmir, Turkey, [9]Gülhane Training and Research Hospital, Ankara, Turkey, [10]Hacettepe University Medical Faculty, Ankara, Turkey)

LIPID LOWERING THERAPY IN ELDERLY PATIENTS WITH POOR PERFORMANCE STATUS

Ioanna Papakitsou; Emmanouil Petrakis; Vasiliki Mavrikaki; Georgios Vougiouklakis; Despoina Spentzouri; Sotirios Tzalis; Angelos Matheakakis; Alexandros Tsiavos; Kuriakos Vasilopoulos; Marios Bargodakis; Ioannis Akoumianakis; Petros Ioannou; Theodosios Filippatos, (UNIVERSITY HOSPITAL OF HERAKLION, CRETE, GREECE, HERAKLION, Greece)

169 - GENETICALLY CONFIRMED FH CASES DISTRIBUTION BY AGE AND GENDER IN VILNIUS UNIVERSITY HOSPITAL SANTAROS KLINIKOS IN 2019-2021

Viktoras Sutkus; Žaneta Petrulionienė; Odeta Kinčinienė; Vilija Černiauskienė; Egle Skiauteryte; Urtė Aliošaitienė; Rimantė Čerkauskienė, (Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania)

LIPID PROFILES AND THE PREVALENCE OF DYSLIPIDEMIA IN PREGNANCY

Tetyana Ternushchak[1]; Marianna Tovt-Korshynska[2], ([1]Uzhhorod National University, Uzhhorod, Ukraine, [2]Uzhhorod National University, Ужгород, Ukraine)

VERIFICATION OF SECONDARY DYSLIPIDEMIA AMONG "PSEUDO-POSSIBLE" FAMILIAL HYPERCHOLESTEROLEMIA

Kateryna Timokhova[1]; Olena Mitchenko[2]; Vadym Romanov[3]; Nataliia Chulaievska[4], ([1]MD Stragesko Institute of cardiology, Kyiv, Ukraine, [2] , United Kingdom, [3]STATE INSTITUTION NATIONAL SCIENTIFIC CENTER «THE M.D. STRAZHESKO INSTITUTE OF CARDIOLOGY NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE», Kyiv, Ukraine, [4]State Institution National Scientific Center «The M.D. Strazhesko Institute of Cardiology National Academy of Medical Sciences of Ukraine, Kyiv, Ukraine)

170 - IMPLEMENTATION OF A BIOCHEMICAL AND CLINICAL PLAN TO SCREEN FOR FAMILIAL HYPERCHOLESTEROLEMIA IN 25 CENTERS IN SPAIN: THE ARIAN PROJECT.

Teresa Arrobas Velilla[1]; Angel Brea Hernando[2]; Pedro Valdivielso Felices[3], ([1]servicio andaluz de Salud, SEVILLA, Spain, [2]Hospital San Pedro de Logroño, Logroño, Spain, [3]Hospital Virgen de la Victoria, MALAGA, Spain)

LIPID GOAL ATTAINMENT IN NEW-ONSET CORONARY ARTERY DISEASE PATIENTS

Bo Wang[1]; Yong Liu[1]; Ning Tan[1]; Jin Liu[1]; Shiqun Chen[1]; Lingyu Zhang[2]; Liling Chen[2]; Xiaoyu Huang[3], ([1]Guangdong Cardiovascular Institute, Guangdong Provincial People's Hospital, Guangzhou, China, [2]Longyan First Hospital Affiliated with Fujian Medical University, Longyan, China, [3]People's Hospital of Yangjiang, Yangjiang, China)

OSTEOPROTEGERIN IS A RISK OF VASCULAR EVENTS IN ADOLESCENT TYPE 1 DIABETIC PATIENTS

Soha Abd El Dayem, (National Research Centre, 10 El Korom Strret Doki, Egypt)

ROLE OF THE INTEGRIN-LINKED KINASE/TGF-B/SMAD PATHWAY IN SITAGLIPTIN MEDIATED CARDIOPROTECTIVE EFFECTS IN A RAT MODEL OF DIABETIC CARDIOMYOPATHY

Nouf Alrasheed; Asma Alonazi; Nawal Alrasheed; Tahani Alshammari; Anfal Bin Dayel; Maha Alamin; Danah Albuaijan; Dareen Alassiri; Alanoud Aljarbua; Fatimah Almusaytir; Abeer Alharbi, (King Saud University, Riyadh, Saudi Arabia)

MODULATION OF POSTPRANDIAL PLASMA BILE ACIDS AND GLYCAEMIC CONTROL BY PROBIOTICS, APPLES AND OATS – FINDINGS FROM THE RANDOMISED CONTROLLED CABALA DIET AND HEALTH STUDY

Rose-Anna Pushpass[1]; Shouq Alzoufairi[1]; Camilla Pedersen[1]; Andrea Manchini[2]; Simone Delaiti[2]; Urska Vrhovsek[2]; Kieran Tuohy[2]; Kim Jackson[1]; Julie Lovegrove[1], ([1]University of Reading, Reading, United Kingdom, [2]Fondazione Edmund Mach, San Michele all'Adige, Italy)

LOW-DOSE VERSUS STANDARD-DOSE INSULIN INFUSION IN PEDIATRIC DIABETIC KETOACIDOSIS

Hoda Atwa; Ahmed Ebrahim; Marwa Ali, (Faculty of Medicine, Suez Canal University, Ismailia, Egypt)

METABOLIC SYNDROME AND RISK FACTORS FOR ATHEROSCLEROTIC DISEASES IN REPRODUCTIVE AGED FEMALES

Tatiana Naiden[1]; Svetlana Bartosh-Zelenaya[2]; Nikolay Glukhov .[3]; Alexandr Bartosh-Zeleniy[1], ([1]North-Western State Medical University named by I.I. Mechnikov, St-Petersburg, Russian Federation, [2]North-Western State Medical University named by I.I. Mechnikov, St.-Petersburg, Russian Federation, [3]Center of AIDS, St.-Petersburg, Russian Federation)

PATHOLOGICAL NEWBORN BODY WEIGHT AS PREDICTOR OF METABOLIC DISORDERS AND REDUCED EXERCISE TOLERANCE IN YOUNG FEMALE

Tatiana Naiden[1]; Svetlana Bartosh-Zelenaya[2]; Alexandr Bartosh-Zeleny[1]; Nikolay Glukhov .[3], ([1]North-Western State Medical University named by I.I. Mechnikov, St-Petersburg, Russian Federation, [2]North-Western State Medical University named by I.I. Mechnikov, St.-Petersburg, Russian Federation, [3]Center of AIDS, St.-Petersburg, Russian Federation)

AUTOTAXINE CAN BE USED AS A NEW MARKER FOR EARLY DETECTION OF ATHEROSCELOSIS IN ADOLESCENT TYPE 1 DIABETIC PATIENTS

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171 - THE EFFECT OF METFORMINE PROLONGED PROTECTION TITLETING ON THE LIPIDIC PROFILE OF PATIENTS WITH TYPE 2 DIABETES (SD2)

Adamantios Bourdakis; Stamatis Papadatos; Georgia Filli, (TRIKALA GENERAL HOSPITAL, TRIKALA, Greece)

EVALUATION OF THE ANTIDIABETIC TREATMENT IN DIABETIC PATIENTS HOSPITALIZED IN AN INTERNAL MEDICINE DEPARTMENT IN A COMMUNITY HOSPITAL

Miguel Angel Fernandez Verdú; Gustavo Calcaño; Angels Pedragosa; Rosa Borrallo; Carolina Guerrero, (Consorci Sanitari de Terrassa, Terrassa, Spain)

172 - ASSESSMENT OF THERAPEUTIC TARGETS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS AND CARDIOVASCULAR DISEASE

Elena-Daniela Grigorescu[1]; Cristina-Mihaela Lăcătușu[1]; Alina Onofriescu[1]; Georgiana Diana Cazac[2]; Alexandr Ceasovschih[2]; Sorina-Nicoleta Drăgoi[3]; Alexandra-Georgeta Grigorescu[2]; Laurențiu Șorodoc[2]; Bogdan-Mircea Mihai[2], ([1]Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, [2]Grigore T. Popa University of Medicine and Pharmacy Iasi, Iasi, Romania, [3]Faculty of Medicine "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Cluj, Romania)

LIPID PROFILE OF PATIENTS WITH TYPE 1 DIABETES MELLITUS WITH LONG DURATION.

Tatyana Chalakova[1]; Kaloyan Tsochev[1]; Yana Bocheva[1]; Gergana Chausheva[1]; Georgi Valchev[2]; Natalya Usheva[1]; Violeta Iotova[1]; Yoto Yotov[1], ([1]Medical University of Varna, Varna, Bulgaria, [2]University Hospital St Marina, Varna, Bulgaria)

PREVALENCE AND FACTORS ASSOCIATED WITH ASPIRIN PRESCRIBING FOR THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE AMONG PATIENTS WITH TYPE 2 DIABETES

Surarong Chinwong[1]; Narawith Somrith[2]; Narinthorn Plodkhan[2]; Sinwisuth Sutheechai[3]; Dujrudee Chinwong[2], ([1]Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand, [2]Faculty of Pharmacy, Chiang Mai University, Muang Chiang Mai, Thailand, [3]Chiang Mai University, Muang Chiang Mai, Thailand)

INSULINRESISTANCE, LEVEL OF LEPTIN AND BODY MASS INDEX IN PATIENTS WITH CORONARY ARTERY DISEASE COMBINED WITH NONALCOHOLIC LIVER STEATOSIS.

Mariya Grechanyk[1]; Olexandr Kuryata[2], ([1]Dnipro State Medical University, Dnipro, Ukraine, [2]Dnipropetrovsk Medical Academy of the Ministry of Health of Ukraine, Dnipro, Ukraine)

ELUCIDATING THE DIFFERENTIAL EFFECTS OF STATINS ON METABOLISM IN PANCREATIC B-CELLS CULTURED UNDER HIGH AND LOW GLUCOSE

James Hamilton[1]; Abhi Shah[1]; Grace Tasik[1]; Keanu Sao[1]; Sunni Lin[2]; Nasi Huang[1]; Barbara Corkey[1]; Jude Deeney[1]; David Hajjar[3]; Antonio Gotto[4]; Craig Sponseller[5], ([1]Boston University School of Medicine, Boston, United States of America, [2]Boston University College of Engineering, Boston, United States of America, [3]Weill Cornel Medicine, New York, United States of America, [4]Weill Cornell Medicine, New York, United States of America, [5]Kowa Pharmaceuticals America - Inc., Montgomery, United States of America)

173 - EFFECT OF SEMAGLUTIDE ON LIPOPROTEIN SUBFRACTIONS AND CHEMERIN LEVELS IN TYPE 2 DIABETIC PATIENTS

Ferenc Sztanek[1]; Áron András Jakab[1]; Ágnes Molnár[1]; Anita Szentpéteri[1]; Hajnalka Lőrincz[1]; Gyorgy Paragh[2]; Mariann Harangi[1], ([1]University of Debrecen Faculty of Medicine, Debrecen, Hungary, [2]University of Debrecen, Faculty of Medicine, Debrecen, Hungary)

RELATIONSHIP BETWEEN SERUM LEVELS OF BDNF AND HDL-CHOLESTEROL IN WOMEN WITH METABOLIC SYNDROME

Daniela Koleva; Maria Orbetzova, (Medical University of Plovdiv, Plovdiv, Bulgaria)

JNK AFFECTS ON NEUTRAL LIPIDS ACCUMULATION IN THE LIVER OF DIFFERENT AGE INSULIN RESISTANT RATS

Ganna Kravchenko; Oksana Krasilnikova, (National University of Pharmacy, Kharkiv, Ukraine)

DECREASING GPLD 1-LEVELS IN PATIENTS AFTER ST-ELEVATED MYOCARDIAL INFARCTION

Aenne Kruse[1]; Erik Bischof[1]; Dorette Raaz-Schrauder[2]; Stephan Achenbach[1]; Barbara Dietel[3]; Miyuki Tauchi[1]; Katharina Urschel[1], ([1]Friedrich-Alexander University Erlangen-Nürnberg (FAU), Erlangen, Germany, [2]Klinikum Aschaffenburg-Alzenau, Aschaffenburg, Germany, [3]University Hospital Erlangen, Erlangen, Germany)

174 - LOWER MIR-21/ROS/HNE LEVELS ASSOCIATE WITH LOWER GLYCEMIA AFTER HABIT-INTERVENTION: DIAPASON STUDY 1-YEAR LATER

Lucia La Sala[1]; Elena Tagliabue[2]; Simona Mrakic-Sposta[3]; Anna Chiara Uccellatore[4]; Pamela Senesi[5]; Ileana Terruzzi[5]; Luigi Rossi Bernardi[2]; Livio Luzi[6], ([1]IRCCS MultiMedica, Milan, Italy, [2]IRCCS MULTIMEDICA, milan, Italy, [3]National Research Council CNR, Milan, Italy, [4]ICCS, Milan, Italy, [5]IRCCS MULTIMEDICA, MILAN, Italy, [6]IRCCS MULTIMEDICA,, milan, Italy)

COMPARATIVE EFFECT OF DELAPRIL-MANIDIPINE TREATMENT VERSUS TELMISARTAN-AMLODIPINE TREATMENT IN FASTING GLUCOSE, FASTING INSULIN, OGTT AND HBA1C LEVELS, IN PREDIABETIC HYPERTENSIVE PATIENTS

Angelos Liontos[1]; Dimitrios Biros[1]; Alexandros Papathanasiou[1]; Christos Papagiannopoulos[1]; Eleftherios Klouras[1]; Lazaros Athanasiou[1]; Stavros Tsourlos[1]; Sempastien Filippas-Ntekouan[1]; Valentini Samanidou[1]; Nikolaos-Gavriil Kolios[1]; Cornelia Veliani[1]; Christiana Pappa[1]; Athina Zarachi[1]; Eirini Christaki[1]; Evangelos Liberopoulos[2]; Moses Elisaf[1]; Haralampos Milionis[1]; George Liamis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]National and Kapodistrian University of Athens, Athens, Greece)

COMPARATIVE EFFECT OF DELAPRIL-MANIDIPINE TREATMENT VERSUS VALSARTAN-AMLODIPINE TREATMENT IN FASTING GLUCOSE, FASTING INSULIN, OGTT AND HBA1C LEVELS, IN PREDIABETIC HYPERTENSIVE PATIENTS

Angelos Liontos[1]; Dimitrios Biros[1]; Alexandros Papathanasiou[1]; Christos Papagiannopoulos[1]; Eleftherios Klouras[1]; Stavros Tsourlos[1]; Lazaros Athanasiou[1]; Sempastien Filippas-Ntekouan[1]; Nikolaos-Gavriil Kolios[1]; Cornelia Veliani[1]; Christiana Pappa[1]; Athina Zarachi[1]; Valentini Samanidou[1]; Eirini Christaki[1]; Maria Christaki[1]; Ioannis Vagias[1]; Evangelos Liberopoulos[2]; Moses Elisaf[1]; Haralampos Milionis[1]; George Liamis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]National and Kapodistrian University of Athens, Athens, Greece)

COMPARATIVE EFFECT OF DELAPRIL-MANIDIPINE TREATMENT VERSUS VALSARTAN-AMLODIPINE TREATMENT IN HOMA-IR, HOMA-B, HOMA-S AND QUICKI INDEXES IN PREDIABETIC HYPERTENSIVE PATIENTS.

Angelos Liontos[1]; Sempastien Filippas-Ntekouan[1]; Dimitrios Biros[1]; Alexandros Papathanasiou[1]; Christos Papagiannopoulos[1]; Nikolaos-Gavriil Kolios[1]; Cornelia Veliani[1]; Lazaros Athanasiou[1]; Valentini Samanidou[1]; Stavros Tsourlos[1]; Christiana Pappa[1]; Eleni Pargana[1]; Maria Nasiou[1]; Athina Zarachi[1]; Eirini Christaki[1]; Moses Elisaf[1]; Evangelos Liberopoulos[2]; Haralampos Milionis[1]; George Liamis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]National and Kapodistrian University of Athens, Athens, Greece)

COMPARATIVE EFFECT OF DELAPRIL-MANIDIPINE TREATMENT VERSUS TELMISARTAN-AMLODIPINE TREATMENT IN HOMA-IR, HOMA-B, HOMA-S AND QUICKI INDEXES IN PREDIABETIC HYPERTENSIVE PATIENTS.

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COMPARATIVE EFFECT OF VALSARTAN-AMLODIPINE TREATMENT VERSUS TELMISARTAN-AMLODIPINE TREATMENT IN HOMA-IR, HOMA-B, HOMA-S AND QUICKI INDEXES IN PREDIABETIC HYPERTENSIVE PATIENTS.

Angelos Liontos[1]; Sempastien Filippas-Ntekouan[1]; Dimitrios Biros[1]; Nikolaos-Gavriil Kolios[1]; Christos Papagiannopoulos[1]; Cornelia Veliani[1]; Alexandros Papathanasiou[1]; Valentini Samanidou[1]; Stavros Tsourlos[1]; Lazaros Athanasiou[1]; Christiana Pappa[1]; Eleni Pargana[1]; Maria Nasiou[1]; Athina Zarachi[1]; Ioannis Vagias[1]; Ilias Tsiakas[1]; Eirini Christaki[1]; Moses Elisaf[1]; Evangelos Liberopoulos[2]; Haralampos Milionis[1]; George Liamis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]National and Kapodistrian University of Athens, Athens, Greece)

COMPARATIVE EFFECT OF VALSARTAN-AMLODIPINE TREATMENT VERSUS TELMISARTAN-AMLODIPINE TREATMENT IN FASTING GLUCOSE, FASTING INSULIN, OGTT AND HBA1C LEVELS, IN PREDIABETIC HYPERTENSIVE PATIENTS

Angelos Liontos[1]; Dimitrios Biros[1]; Alexandros Papathanasiou[1]; Christos Papagiannopoulos[1]; Eleftherios Klouras[1]; Stavros Tsourlos[1]; Lazaros Athanasiou[1]; Sempastien Filippas-Ntekouan[1]; Athina Zarachi[1]; Nikolaos-Gavriil Kolios[1]; Christiana Pappa[1]; Valentini Samanidou[1]; Eirini Christaki[1]; Evangelos Liberopoulos[2]; Moses Elisaf[1]; Haralampos Milionis[1]; George Liamis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]National and Kapodistrian University of Athens, Athens, Greece)

ASSOCIATION OF BRANCHED-CHAIN AMINO ACIDS CONSUMPTION WITH OBESITY AND DIABETES MELLITUS IN HUMAN POPULATIONS

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PREDIABETES IN HYPERTENSIVE PATIENTS IN THE ISLAND OF CRETE, GREECE

John Papadakis[1]; Petros Ioannou[2]; Vasiliki Theodorakopoulou[1]; Kostas Papanikolaou[1]; Emmanouil Petrakis[2]; Despoina Spentzouri[2]; Theodosios Filippatos[2], ([1]UNIVERSITY HOSPITAL OF HERAKLION, HERAKLION, Greece, [2]UNIVERSITY HOSPITAL OF HERAKLION, CRETE, GREECE, HERAKLION, Greece)

ANTIDIABETIC TREATMENT IN ELDERLY PATIENTS WITH LOW PERFORMANCE STATUS ADMITTED TO INTERNAL MEDICINE WARD

Ioanna Papakitsou; Emmanouil Petrakis; Georgios Vougiouklakis; Vasiliki Mavrikaki; Despoina Spentzouri; Sotirios Tzalis; Marios Bargodakis; Kuriakos Vasilopoulos; Alexandros Tsiavos; Anastasios Zagaliotis; Petros Ioannou; Theodosios Filippatos, (UNIVERSITY HOSPITAL OF HERAKLION, CRETE, GREECE, HERAKLION, Greece)

ADIPOKINE'S LEVEL IN PATIENTS WITH OVERWEIGHT AND OBESITY, DEPENDING ON THE PRESENCE OF TYPE 2 DIABETES MELLITUS

Natalia Kurochkina[1]; Yulia Prus[2]; Diana Nozadze[3]; Anna Popova[2]; Igor Sergienko[3]; Aleksey Ansheles[3]; Valerii Masenko[1]; Tatiana Sharf[2]; Mariia Tkacheva[3], ([1]National Medical Research Center of Cardiology of the Ministry of Health of Russian Federation,, Moscow, Russian Federation, [2]National Medical Research Center of Cardiology of the Ministry of Health of Russian Federation, Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation)

THE EFFECT OF INTERMITTENT FASTING TOWARDS AREA AND NUMBER OF BALB-C MICE LANGERHANS ISLET

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175 - DEVELOPMENT OF A NEUROPATHY MODEL IN PRE-DIABETIC MICE

Guillaume Rastoldo[1]; Ali Jaafar[2]; Aurelie Paulo-Ramos[3]; Steeve Bourane[3], ([1]UMR Inserm U1188 - Université de La Réunion Diabète athérothrombose Thérapies Réunion Océan Indien , La réunion - France, France, [2]DéTROI INSERM U1188, Saint-Denis, France, [3]UMR Inserm U1188 - Université de La Réunion Diabète athérothrombose Thérapies Réunion Océan Indien, Sainte Clotilde, France)

CLINICAL CASE: EVALUATION OF THE EFFECT OF LIRAGLUTIDE THERAPY ON MYOCARDIAL PERFUSION ACCORDING TO SPECT DATA IN AN OBESE PATIENT

Polina Rezinkina[1]; Igor Sergienko[2]; Aleksey Ansheles[2], ([1]National Medical Research Center of Cardiology, Moscow, Russian Federation, [2]National Medical Research Center of Cardiology, Moscow, Russian Federation)

176 - ADIPOSITY AND INSULIN RESISTANCE LINKED TO NON-HDL CHOLESTEROL AND APOLIPOPROTEIN B-100: A CROSS-SECTIONAL STUDY IN A HYPERTENSIVE POPULATION

Riccardo Sarzani[1]; Federico Giulietti[2]; Simone Biondini[2]; Elisabetta Fausti[2]; Massimiliano Allevi[2]; Francesco Spannella[2], ([1] Ripe San Ginesio, Italy, [2]University "Politecnica delle Marche", Ancona, Italy, Ancona, Italy)

177 - THE ROLE OF METABOLIC SYNDROME, VISCERAL OBESITY AND INSULIN RESISTANCE IN RIGHT AND LEFT VENTRICULAR HYPERTROPHY

Ecaterina Sedaia; Valeriu Revenco; Viorica Ochisor, (State University of Medicine and Pharmacy „Nicolae Testemitanu", Chisinau, Moldova)

178 - LIPID SPECTRUM CHANGES AND BLOOD PRESSURE LEVELS IN OBESE PATIENTS WITH TRUE AND PSEUDO-RESISTANT HYPERTENSION

Anna Shalimova[1]; Gnna Isayeva[2]; Olena Buriakovska[3]; Iryna Komir[3]; Maryna Vovchenko[3], ([1]Kharkiv National Medical University, KHARKIV, Ukraine, [2]L.T. Malaya Therapy National Institute of the National Academy of Medical Sciences of Ukraine, Kharkiv, Ukraine, [3]L.T. Malaya Therapy National Institute of the National Academy of Medical Sciences of Ukraine, Ukraine, Ukraine)

LONG-TERM CHANGES IN COGNITIVE STATUS OF CARDIAC SURGERY PATIENTS WITH TYPE 2 DIABETES MELLITUS

Irina Tarasova; Anastasia Sosnina; Olga Trubnikova; Irina Syrova; Olga Barbarash, (Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

PREDICTORS OF INCREASED CAROTID INTIMA-MEDIA THICKNESS IN PATIENTS WITH DIABETES TYPE 2 AND CHRONIC KIDNEY DISEASE

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THE SYNERGISTIC ROLE OF IRRATIONAL BELIEFS AND HEALTH ANXIETY REGARDING FAMILY HISTORY OF DIABETES ON TYPE 2 DIABETES; THE ATTICA EPIDEMIOLOGICAL STUDY.

Christina Vassou[1]; Thomas Tsiampalis[2]; Ekavi Georgousopoulou[3]; Christina Chrysohoou[4]; Mary Yannakoulia[2]; Christos Pitsavos[4]; Mark Cropley[5]; Demosthenes Panagiotakos[2], ([1] Athens, Greece, [2]Harokopio University, Athens, Greece, Kallithea, Greece, [3]University of Notre Dame, Sydney, Australia, [4]University of Athens, Greece, Athens, Greece, [5]University of Surrey, Guildford, United Kingdom)

179 - MACROPHAGE GLUTAMINOLYSIS SUPPORTS THERMOGENESIS TO CONTROL CARDIOMETABOLIC TRAITS.

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BODY COMPOSITION, LIPIDS AND ADIPOKINE PROFILE IN YOUNG OVERWEIGHT AND OBESE INDIVIDUALS

Vasilii Chulkov; Elena Gavrilova; Vladislav Chulkov; Ekaterina Pankova; Elena Minina; Elizaveta Lenets; Polina Tkachenko; Sergei Martynov, (South Ural State Medical Universiry, Chelyabinsk, Russian Federation)

EXPRESSION PATTERN OF CHOLESTEROL METABOLISM GENES IN ADIPOSE TISSUE OF MORBIDLY OBESE PATIENTS WITH TYPE 2 DIABETES MELLITUS

Kseniya Dracheva[1]; Irina Pobozheva[2]; Kristina Anisimova[3]; Stanislav Balandov[3]; Zarina Hamid[3]; Alexandra Panteleeva[2]; Dmitriy Vasilevsky[3]; Sofya Pchelina[2]; Valentina Miroshnikova[2], ([1] Saint Petersburg, Russian Federation, [2]Petersburg Nuclear Physics Institute named by B.P. Konstantinov of National Research Centre «Kurchatov Institute», Saint Petersburg, Russian Federation, [3]Pavlov First Saint Petersburg State Medical University, Saint Petersburg, Russian Federation)

180 - THE DIET ASSESSMENT CLARIFIES CARDIOVASCULAR RISK

Sofya Eliashevich[1]; Batogab Shoibonov[2]; Mikhail Khudyakov[2]; Valida Dadaeva[2]; Oleg Senko[3]; Anna Kuznetsova[4]; Oxana Drapkina[2], ([1]National Medical Research Center for Therapy and Preventive Medicine , Moscow, Russian Federation, [2]National Medical Research Center for Therapy and Preventive Medicine, Moscow, Russian Federation, [3]Federal Research Center "Computer Science and Control" of the Russian Academy of Sciences, Moscow, Russian Federation, [4]Institute of Biochemical Physics named after N.M. Emanuel RAS, Moscow, Russian Federation)

181 - CIRCULATING ADIPOKINE CONCENTRATIONS AND RISK OF NON-ALCOHOLIC FATTY LIVER DISEASE: A MENDELIAN RANDOMIZATION STUDY

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182 - MONOCARBOXYLATE TRANSPORTER 1 (MCT-1) DEFICIENCY IMPACTS CD8+ T LYMPHOCYTES PROLIFERATION AND RECRUITMENT TO ADIPOSE TISSUE DURING OBESITY

Annalisa Moregola[1]; Chiara Macchi[1]; Maria Francesca Greco[1]; Fabrizia Bonacina[1]; Massimiliano Ruscica[1]; Giuseppe Danilo Norata[2], ([1]University of Milan, Milan, Italy, [2]University of Milan, Milan, Italy, Milano, Italy)

ASSESSMENT OF ADIPOKINES LEVELS AND LIPID PROFILE IN OVERWEIGHT AND OBESE PATIENTS DEPENDING ON THE PRESENCE OF CORONARY HEART DISEASE

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LIPID PROFILE AND ADIPOKINES LEVELS IN OVERWEIGHT AND OBESE PATIENTS

Yulia Prus[1]; Natalia Kurochkina[2]; Igor Sergienko[3]; Anna Popova[1]; Diana Nozadze[3]; T Scarf[4]; Valerii Masenko[2]; Aleksey Ansheles[3]; Maria Tkacheva[5], ([1]National Medical Research Center of Cardiology of the Ministry of Health of Russian Federation, Moscow, Russian Federation, [2]National Medical Research Center of Cardiology of the Ministry of Health of Russian Federation,, Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation, [4]Russian Cardiology Research Center Ministry of Health of the Russian Federation, Moscow, Russian Federation, Moscow, Russian Federation, [5]Academic Clinic of Neurology and Dentistry on the basis of N.N. Burdenko Neurosurgery Research Institute "Cecil +", Москва, Russian Federation)

THE INCIDENCE OF VISCERAL OBESITY IN PATIENTS WITH ARTERIAL HYPERTENSION AND NON-ALCOHOLIC FATTY LIVER DISEASE.

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183 - A NOVEL ROLE FOR GALNAC-T2 DEPENDENT GLYCOSYLATION IN ENERGY HOMEOSTASIS

Cristy Verzijl[1]; Federico Oldoni[2]; Natalia Loaiza[1]; Justina C. Wolters[1]; Antoine Rimbert[3]; Dicky Struik[1]; Marieke Smit[1]; Niels J. Kloosterhuis[1]; Amy J. Fernandez[4]; Nadine L. Samara[5]; Tian E[5]; Kelly Ten Hagen[5]; Lawrence A. Tabak[6]; Johan W. Jonker[1]; Jan Kuivenhoven[7], ([1]University Medical Centre Groningen, Groningen, Netherlands, [2]University of Texas Southwestern Medical Center, Dallas, United States of America, [3]Institut du thorax, Nantes, France, [4]Johns Hopkins University School of Medicine, Baltimore, United States of America, [5]National Institutes of Health, Bethesda, United States of America, [6]National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, United States of America, [7]TBA, Groningen, Netherlands)

184 - ABDOMINAL ADIPOSE TISSUE ASSOCIATES WITH ADIPONECTIN AND TNF IN MIDDLE-AGED HEALTHY MEN

Hani Zaidi, (Center for clinical Heart Research, Oslo, Norway)

185 - WEIGHT LOSS, VISIT-TO-VISIT BODY WEIGHT VARIABILITY AND COGNITIVE FUNCTION IN A COHORT OF OLDER PEOPLE WITH OR AT RISK OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE.

Michelle Zonneveld[1]; Raymond Noordam[1]; Behnam Sabayan[2]; David Stott[3]; Simon Mooijaart[1]; Gerard Blauw[1]; Wouter Jukema[4]; Naveed Sattar[5]; Stella Trompet[1], ([1]Leiden University Medical Center, Leiden, Netherlands, [2]HealthPartners Institute, Bloomington, United States of America, [3]BHF Glasgow Cardiovascular Research Center, Glasgow, United Kingdom, [4]TNO, Leiden, Netherlands, [5] , United Kingdom)

186 - OPTIMIZATION AND VALIDATION OF LIPOPROTEIN(A) KIV2 ISOFORM MEASUREMENT IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA

Razan Al Zadjali[1]; Fahad Zadjali[2], ([1]Sultan Qaboos University, Al Khoudh, Oman, [2]SULTAN QABOOS UNIVERSITY, Khodh, Oman)

187 - KETOGENIC DIETS EXACERBATING HYPERLIPIDEMIA IN APOE VARIANTS

Loba Alam[1]; Robert Fishberg[2], ([1] New York, United States of America, [2]Atlantic Health System, New Jersey, United States of America)

PREVALENCE OF PREMATURE CORONARY ARTERY DISEASE (CAD) ACCORDING TO CLINICAL FAMILIAL HYPERCHOLESTEROLAEMIA (FH) DIAGNOSIS IN LITHUANIA

Urtė Aliošaitienė[1]; Žaneta Petrulionienė[1]; Egle Skiauteryte[1]; Dovile Gabartaite[2]; Emilija Meskene[1]; Juste Staigyte[2]; Rimantė Čerkauskienė[1]; Viktoras Sutkus[1]; Jurate Barysiene[1]; Milda Kovaite[1]; Jolita Badariene[1]; Vilma Dzenkeviciute[1]; Sandra Kutkiene[1]; Egidija Rinkuniene[1]; Rusne Jakaite[1]; Rasa Strupaite-Sileikiene[2]; Gabriele Jaskeviciute[2], ([1]Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania, [2]Vilnius University, Vilnius, Lithuania)

A CASE REPORT OF A YOUNG MAN WITH THREE-VESSEL CORONARY ARTERY DISEASE (3VD) ASSOCIATED WITH FAMILIAL HYPERCHOLESTEROLEMIA (FH)

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PREVALENCE OF PREMATURE CORONARY ARTERY DISEASE (CAD) ACCORDING TO GENETIC FAMILIAL HYPERCHOLESTEROLAEMIA (FH) DIAGNOSIS IN LITHUANIA

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DISTRIBUTION OF TOTAL CHOLESTEROL (TC) AND LOW-DENSITY LIPOPROTEIN CHOLESTEROL (LDL-C) BETWEEN GENETICALLY DIAGNOSED FAMILIAL HYPERCHOLESTEROLAEMIA (FH) MEN AND WOMEN IN LITHUANIA

Urtė Aliošaitienė[1]; Žaneta Petrulionienė[1]; Dovile Gabartaite[2]; Egle Skiauteryte[1]; Emilija Meskene[1]; Juste Staigyte[2]; Rimantė Čerkauskienė[1]; Viktoras Sutkus[1]; Jurate Barysiene[1]; Milda Kovaite[1]; Vilma Dzenkeviciute[1]; Sandra Kutkiene[1]; Egidija Rinkuniene[1]; Jolita Badariene[1]; Rasa Strupaite-Sileikiene[2]; Rusne Jakaite[1]; Gabriele Jaskeviciute[2], ([1]Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania, [2]Vilnius University, Vilnius, Lithuania)

PREVALENCE OF CORNEAL ARCUS BETWEEN GENETICALLY DIAGNOSED FH MEN AND WOMEN IN LITHUANIA

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188 - PREVALENCE OF LEFT VENTRICULAR DIASTOLIC DYSFUNCTION AMONG PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA UNDER PRIMARY PREVENTION

Amanda Matos[1]; Rogério Krakauer[2]; Renato Alves[2], ([1] São Paulo, Brazil, [2]Santa Casa de Misericordia de Sao Paulo Hospital, São Paulo, Brazil)

189 - UPDATE OF THE STUDY OF RARE MONOGENIC FAMILIAL DYSLIPIDAEMIAS IN PORTUGAL

Ana Catarina Alves[1]; Mafalda Bourbon[1]; Beatriz Miranda[2], ([1]Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisboa, Portugal, [2]Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisbon, Portugal)

190 - EVALUATION OF ARTERIAL STIFFNESS IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA.

Allice Rodrigues[1]; Carlos Oliveira[2]; Raphaela Pinheiro[3]; Maria Julia Meneses[4]; Renato Alves[5], ([1]Faculdade de Ciências Médicas da Santa Casa de São Paulo, São Paulo, Brazil, [2]Santa Casa de Misericordia, Sao Paulo, Brazil, [3]Santa Casa de Misericordia de Sao Paulo Hospital, Sao Paulo, Brazil, [4] Sao Paulo, Brazil, [5]Santa Casa de Misericordia de Sao Paulo Hospital, São Paulo, Brazil)

IDENTIFYING MOLECULAR DEFECTS IN SWEDISH PATIENTS WITH FH: NO INFLUENCE OF POLYGENIC LDL CHOLESTEROL SNP-SCORE

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AWARENESS OF POSITIVE GENETIC TESTING FOR FAMILIAL HYPERCHOLESTEROLEMIA ENCOURAGES BETTER ADHERENCE TO TRIPLE-COMBINED LIPID-LOWERING THERAPY

Anastasia Blokhina; Alexandra Ershova; Alena Limonova; Oxana Kopylova; Stepan Smetnev; Anna Kiseleva; Vladimir Kutsenko; Irina Efimova; Alexey Meshkov; Oxana Drapkina, (National Medical Research Center for Therapy and Preventive Medicine, Moscow, Russian Federation)

191 - LOMITAPIDE IN PAEDIATRIC HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA – REAL-WORLD CLINICAL EXPERIENCE FROM SOUTH AFRICA

Dirk Blom, (University of Cape Town, Cape Town, South Africa)

192 - MAJOR ADVERSE CARDIOVASCULAR EVENTS IN HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA: A SYSTEMATIC REVIEW AND META-ANALYSIS

Liam Brunham[1]; Adam Kramer[1]; Leo Akioyamen[2]; Jacques Genest[3]; Stephen Lee[3], ([1]University of British Columbia, Vancouver, Canada, [2]University of Toronto, Toronto, Canada, [3]McGill University, montreal, Canada)

A NOVEL MISSENSE VARIANT IN CREB3L3 GENE ASSOCIATED WITH SEVERE HYPERTRIGLYCERIDEMIA

Giovanna Cardiero[1]; Daniela Palma[2]; Maria Di Taranto[1]; Maria Esposito[1]; Gabriella Iannuzzo[3]; Matteo Di Minno[4]; Carlo Molino[5]; Arcangelo Iannuzzi[5]; Giuliana Fortunato[4], ([1]Università degli Studi di Napoli Federico II and CEINGE S.C.a r.l. Biotecnologie Avanzate, NAPOLI, Italy, [2]Università degli Studi di Napoli Federico II, NAPOLI, Italy, [3]"Federico II" University of Naples, Naples, Italy, [4]University Federico II of Naples, Naples, Italy, [5]A.O.R.N. "A. Cardarelli", Naples, Italy)

DETECTION OF COMORBIDITIES IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA IN THE UKRAINIAN FAMILIAL HYPERCHOLESTEROLEMIA REGISTRY

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193 - FEATURES OF THE METABOLIC SYNDROME AND SUBCLINICAL ATHEROSCLEROSIS IN PATIENTS WITH CEREBROTENDINOUS XANTHOMATOSIS: AN AUGMENTED RISK FOR PREMATURE CARDIOVASCULAR DISEASE

Hofit Cohen[1]; Sharon Hassin-Baer[2], ([1]The Bert W. Strassburger Lipid Center, Tel-Hashomer Ramat-Gan, Israel, [2]Sheba Medical Center, Tel-Hashomer, Israel)

194 - EFFECTIVENESS OF DUTCH LIPID SCORE (MODIFIED FOR ITALY) IN A COHORT OF SUBJECTS AGED > 18 YEARS AND COMPARISON WITH THE SUBPOPULATION BETWEEN 18-45 YEARS

Damiano D'Ardes[1]; Ilaria Rossi[2]; Paola Vizzarri[1]; Angelo Floriano Damiani Tripolino[1]; Fabio Troiano[1]; Margherita Caporale[1]; Francesco Cipollone[1]; Marco Bucci[1], ([1]G. D'Annunzio University of Chieti, Chieti, Italy, [2]Universitá di Padova, Padova, Italy)

EVIDENCE OF NOVEL APO B GENE COMPLEX ALLELE CAUSING FAMILIAL HYPERCHOLESTEROLAEMIA

Daniela Palma[1]; Giovanna Cardiero[2]; Carmen Flagiello[2]; Unai Galicia-Garcia[3]; Asier Larrea[4]; Maria Donata Di Taranto[5]; Cear Martin[4]; Gabriella Iannuzzo[6]; Matteo Di Minno[5]; Antonio Pipolo[7]; Giuliana

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195 - FAMILIAL HYPERCHOLESTEROLEMIA CARE IN ADOLESCENTS-SINGLE CENTRE EXPERIENCE FROM SINGAPORE

Sanjaya Dissanayake[1]; Sharon Li Ting Pek[1]; Zit Liang Chan[1]; Siti Nur Afiqah Kamaruddin[1]; Atiqa Zulkifli[1]; Fariha Siraj[1]; Wen Yi Wan[1]; Tavintharan Subramaniam[2], ([1]Khoo Teck Puat Hospital, Singapore, Singapore, [2]Admiralty Medical Centre, Singapore, Singapore)

196 - REVERSE CASCADE SCREENING IN THE DIAGNOSIS OF FAMILIAL HYPERCHOLESTEROLEMIA

Liliia Galimova[1]; Dinara Sadykova[2]; Eugenia Slastnikova[1]; Chulpan Khaliullina[2]; Karina Salakhova[2], ([1]Republican Children's Hospital, Kazan, Russian Federation, [2]Kazan State Medical University, Kazan, Russian Federation)

197 - CLINICAL AND GENETIC CHARACTERIZATION OF FH CHILDREN AND ADOLESCENTS ENROLLED IN THE ITALIAN LIPIGEN PAEDIATRIC GROUP

Marta Gazzotti[1]; Stefano Bertolini[2]; Cristina Pederiva[3]; Maria Elena Capra[4]; Alberico L. Catapano[5]; Manuela Casula[1], ([1]University of Milan, Milan, Italy, [2]University of Genova, Genova, Italy, [3]Clinical Service for Dyslipidaemias, Study and Prevention of Atherosclerosis in Childhood, Paediatrics Unit, ASST Ospedali Santi Paolo e Carlo, milano, Italy, [4]Centre for Paediatric Dyslipidaemias, Paediatrics and Neonatology Unit, Guglielmo da Saliceto Hospital,, Piacenza, Italy, [5]university of Milan, Milan, Italy)

198 - MANAGEMENT OF A PATIENT WITH DELAYED DIAGNOSIS OF HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLAEMIA

Antonina Giammanco[1]; Roberto Scicali[2]; Chiara Scrimali[1]; Antonino Di Pino[2]; Federica Brucato[1]; Rossella Spina[1]; Salvatore Piro[2]; Davide Noto[1]; Angelo Baldassare Cefalù[1]; Francesco Purrello[2]; Maurizio Averna[1], ([1]University of Palermo, Palermo, Italy, [2]ARNAS GARIBALDI NESIMA, Catania, Italy)

199 - EVALUATION OF LIPID-LOWERING THERAPY IN PATIENTS WITH DEFINITE DIAGNOSIS OF HETEROZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA IN LODZ.

Paulina Gorzelak-Pabiś[1]; Agnieszka Pawlos[2]; Zuzanna Staciwa[1]; Aleksandra Krulikowska[1]; Marlena Broncel[1], ([1]Medical University in Lodz, Lodz, Poland, [2]Medical University of Lodz, Łódź, Poland)

200 - CASCADE SCREENING AND REGISTRY FOR PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA IN GERMANY – A FOLLOW-UP SURVEY

Ira Haack[1]; Alexander Dressel[1]; Winfried Maerz[2], ([1]D•A•CH-Gesellschaft Prävention von Herz-Kreislauf-Erkrankungen e.V., Hamburg, Germany, [2]Medical University of Graz, Graz, Austria)

201 - A DANISH NATIONWIDE STUDY OF INDIVIDUALS SUSPECTED OF FH REFERRED FROM GENERAL PRACTICE TO LIPID CLINICS: CLINICAL CHARACTERISTICS, PLASMA LIPOPROTEIN(A) AND FINAL DIAGNOSIS

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A SUITABLE SEQUENCE OF BIOINFORMATICS TOOLS FOR NGS DIAGNOSIS OF FAMILIAL HYPERCHOLESTEROLEMIA

Ales Horinek[1]; Kateřina Hirschfeldová[2]; Lena Obeidova[2]; Eva Pazourková[2]; Veronika Todorovova[3]; Michal Vrablík[4]; Martin Satny[3], ([1]First Faculty of Medicine Charles University, Prague 2, Czech Republic, [2]First Faculty of Medicine Charles University, Prague, Czech Republic, [3]General University Hospital, Prague, Czech Republic, [4]1st Faculty of Medicine, Charles University, Praha, Czech Republic)

202 - HUNTING FOR HOMOZYGOUS FH - LESSONS LEARNT

Shamanna Iyengar, On Behalf Of Lai[1]; Raman Puri[2]; Preeti Gupta[3]; Rashida Melinkeri[4]; S Narasingan[5]; Akshaya Pradhan[6]; Peeyush Jain[7]; Ashwani Mehta[8]; Milan Chag[9]; H Basavanagowda[10]; D Prabhakar[11]; A Dileep[12], ([1]Manipal Hospital, Bangalore, India, [2]Apollo Hospital, Delhi, India, [3]Safdarjung Hospital, Delhi, India, [4]Clinic, Pune, India, [5]SN Clinic, Chennai, India, [6]KG Medical University, Lucknow, India, [7]Clinic, Delhi, India, [8]GB Pant Hospital, Delhi, India, [9]Clinic, Ahmedabad, India, [10]JSS Medical College, Mysore, India, [11]Apollo Hospital, Chennai, India, [12]Vrnchy Hospital, Hyderabad, India)

203 - GENETIC ANALYSIS OF A RARE FORM OF DYSLIPIDEMIA: DE NOVO ABCG5/APOB MUTATIONS IN GREECE

Eleni Koniari[1]; Anastasia Skouma[2]; George Chrousos[1], ([1]Research University Institute for the Study of Genetic and Malignant Childhood Diseases, Athens, Endocrinology, Athens, Greece, [2]Institute of Health and Child Care Neonatal Screening Department, Children's Hospital "Aghia Sophia, Athens, Greece)

204 - COSEGREGATION OF P.H343R ANGPTL3 MISSENSE VARIANT IN A FAMILY WITH HYPOBETALIPOPROTEINEMIA

Manon Levy[1]; Alexandre Janin[2]; Oriane Marmontel[3]; Anthony Fourier[4]; Séverine Nony[4]; Caroline Bouveyron[4]; Antoine Rimbert[5]; Bertrand Cariou[6]; Sylvie Villar-Fimbel[7]; Sybil Charriere[7]; Philippe Moulin[8]; Mathilde Di Filippo[3], ([1] Lyon, France, [2]Université Claude Bernard Lyon 1, Université de Lyon, LYON, France, [3]Service de Biochimie et Biologie moléculaire Grand Est, Bron, France, [4]Hospices Civils de Lyon, BRON, France, [5]Institut du thorax, Nantes, France, [6]NANTES UNIVERSITY - CHU NANTES, Nantes, France, [7]Hôpital Louis Pradel, Bron cedex, France, [8]université Lyon1,/INSERM/HCL, Lyon, France)

205 - ASSOCIATION OF TG/HDL-C AND TYG INDICES WITH THE PREVALENCE OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE IN ADULT PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA

Christos Rizos[1]; George Liamis[2]; Ioannis Skoumas[3]; Anastasia Garoufi[4]; Loukianos Rallidis[5]; Konstantinos Tziomalos[6]; Genovefa Kolovou[7]; Emmanuel Skalidis[8]; Vasileios Kotsis[9]; Michalis Doumas[10]; Vaia Lambadiari[11]; Panagiotis Anagnostis[12]; George Sfikas[13]; Ioanna Dima[3]; Estela Kiouri[5]; Georgios Polychronopoulos[6]; Vana Kolovou[7]; Evangelos Zacharis[8]; Christina Antza[9]; Charalambos Koumaras[13]; Evangelos Liberopoulos[14], ([1]University of Ioannina, Ioannina, Greece, [2]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [3]Hippokration General Hospital, Athens, Greece, [4]Medical School, National and Kapodistrian University of Athens, B' Pediatrics Clinic, General Children's Hospital "Pan. & Aglaia Kyriakou", Athens, Greece, [5]Medical School, National and Kapodistrian University of Athens, Attikon University General Hospital, Athens, Greece, [6]Medical School, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece, [7]Cardiometabolic Center, Lipid Clinic, LA apheresis Unit, Athens, Greece, [8]University General Hospital of Heraklion, Heraklion, Greece, [9]Medical School, Aristotle University of Thessaloniki, Papageorgiou General Hospital Thessaloniki, Thessaloniki, Greece, [10]Medical School, Aristotle University of Thessaloniki, Hippokration General Hospital, Thessaloniki, Thessaloniki, Greece, [11]National and Kapodistrian University of Athens, Attikon University General Hospital, Athens, Greece, [12]Police Medical Centre, Thessaloniki, Thessaloniki, Greece, [13]424 General Military Training Hospital, Thessaloniki, Greece, [14]National and Kapodistrian University of Athens, Athens, Greece)

206 - ONE YEAR FOLLOW-UP OF PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA: PRELIMINARY DATA FROM THE HELLAS-FH REGISTRY

Christos Rizos[1]; George Liamis[2]; Anastasia Garoufi[3]; Ioannis Skoumas[4]; Loukianos Rallidis[5]; Genovefa Kolovou[6]; Konstantinos Tziomalos[7]; Emmanuel Skalidis[8]; Vasileios Kotsis[9]; Vaia Lambadiari[10]; Panagiotis Anagnostis[11]; Ioanna Dima[4]; Estela Kiouri[5]; Vana Kolovou[6]; Georgios Polychronopoulos[7]; Evangelos Zacharis[8]; Christina Antza[9]; Evangelos Liberopoulos[12], ([1]University of Ioannina, Ioannina, Greece, [2]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [3]Medical School, National and Kapodistrian University of Athens, B' Pediatrics Clinic, General Children's Hospital "Pan. & Aglaia Kyriakou", Athens, Greece, [4]Hippokration General Hospital, Athens, Greece, [5]Medical

School, National and Kapodistrian University of Athens, Attikon University General Hospital, Athens, Greece, [6]Cardiometabolic Center, Lipid Clinic, LA apheresis Unit, Athens, Greece, [7]Medical School, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece, [8]University General Hospital of Heraklion, Heraklion, Greece, [9]Medical School, Aristotle University of Thessaloniki, Papageorgiou General Hospital Thessaloniki, Thessaloniki, Greece, [10]National and Kapodistrian University of Athens, Attikon University General Hospital, Athens, Greece, [11]Police Medical Centre, Thessaloniki, Thessaloniki, Greece, [12]National and Kapodistrian University of Athens, Athens, Greece)

207 - CARDIOVASCULAR DISEASE IN CHILDREN WITH HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA

Julia Lischka; Margot Baumgartner; Charlotte De Gier; Andrea Willfort-Ehringer; Susanne Greber-Platzer, (Medical University of Vienna, Vienna, Austria)

208 - PREVALENCE OF FAMILIAL HYPERCHOLESTEROLEMIA IN EGYPTIAN PATIENTS WITH ACUTE CORONARY SYNDROME

Hesham El-Din[1]; Essam Husein[1]; Dalia El Remisy[1]; Hossam Mahrous[2], ([1]Faculty of Medicine, Cairo University, Cairo, Egypt, [2] Cairo, Egypt)

REAL-WORLD, OBSERVATIONAL STUDY OF ELEVATED LP(A) AND CARDIOVASCULAR EVENTS

Mary Mcgowan[1]; Kelly Myers[1]; Katherine Wilemon[1]; Diane Macdougall[2]; Catherine Ahmed[1], ([1]Family Heart Foundation, Pasadena, United States of America, [2] Lincoln, United States of America)

209 - INCREASED LP(A) LEVELS IN A CARIBBEAN FAMILY. CASE REPORT AND LITERATURE REVIEW.

Demian Arturo Herrera Morban[1]; Maxima Mendez[2], ([1]Hospital Pediatrico Dr. Hugo Mendoza, Distrito Nacional, Dominican Republic, [2]HS Medical Center, Distrito Nacional, Dominican Republic)

210 - MOLECULAR DIAGNOSIS OF GENETIC DYSLIPIDAEMIAS BY NEXT GENERATION SEQUENCING

Beatriz Miranda[1]; Ana Catarina Alves[2]; Mafalda Bourbon[2], ([1]Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisbon, Portugal, [2]Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisboa, Portugal)

211 - CLINICAL SIGNIFICANCE OF LOW-DENSITY LIPOPROTEIN-TRIGLYCERIDES IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA

Masatsune Ogura[1]; Yasuki Ito[2]; Mariko Harada-Shiba[3], ([1]Eastern Chiba Medical Center, Togane, Chiba, Japan, [2]Denka Co., Ltd, Gosen, Japan, [3]National Cerebral and Cardiovascular Center Research Institute, Suita, Japan)

APPROACH OF THERAPEUTICS GOALS IN A GROUP OF PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA UNDER PCSK9 INHIBITORS TREATMENT.

Adriana Puente[1]; Pedro Olivares[2]; Rafael Trujillo[2], ([1] Tlalpan, Mexico, [2]NATIONAL MEDICAL CENTER 20 DE NOVIEMBRE, ISSSTE, MEXICO CITY, Mexico)

212 - POLYGENIC RISK FOR FUTURE CORONARY ARTERY DISEASE EVENTS IN FAMILIAL HYPERCHOLESTEROLEMIA

Laurens Reeskamp[1]; Injeong Shim[2]; Jacqueline Dron[2]; Shirin Ibrahim[1]; Tycho Tromp[3]; Aniruddh Patel[2]; Barbara Hutten[3]; Erik Stroes[4]; G. Hovingh[1]; Amit Khera[5], ([1]Amsterdam UMC, Amsterdam, Netherlands, [2]Broad Institute of MIT and Harvard, Cambridge, United States of America, [3]Amsterdam UMC - Location AMC, Amsterdam, Netherlands, [4] , Netherlands, [5]Massachusetts General Hospital, Boston, United States of America)

213 - RATIONALE AND DESIGN OF TWO TRIALS ASSESSING EFFICACY, SAFETY AND TOLERABILITY OF INCLISIRAN IN ADOLESCENTS WITH HOMOZYGOUS AND HETEROZYGOUS FAMILIAL HYPERCHOLESTEROLAEMIA

M.D. Reijman[1]; Anja Schweizer[2]; Amy Peterson[3]; Eric Bruckert[4]; Christian Stratz[2]; Joep Defesche[5]; Robert Hegele[6]; Albert Wiegman[5], ([1]Amsterdam UMC, Amsterdam, Netherlands, [2]Novartis Pharma AG, Basel, Switzerland, [3]University of Wisconsin School of Medicine and Public Health, Madison, United States of America, [4] , France, [5]Amsterdam UMC - Location AMC, Amsterdam, Netherlands, [6]Western University, London, Canada)

EVALUATION OF STABILITY OF TETRA-PRIMER ARMS PCR KIT TO DETECT PATHOGENIC FAMILIAL HYPERCHOLESTEROLAEMIA VARIANTS VIA ACCELERATED AGING METHOD

Norhidayah Rosman[1]; Hapizah Nawawi[2]; Yung An Chua[3]; Alyaa Al-Khateeb[2]; Ang Lim Chua[4], ([1]Institute of Pathology, Laboratory and Forensic Medicine, SUNGAI BULOH, Malaysia, [2]Universiti Teknologi MARA Sungai Buloh Campus, SUNGAI BULOH, Malaysia, [3]Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM), SUNGAI BULOH, Malaysia, [4]Faculty of Medicine, Sungai Buloh, Malaysia)

214 - UNUSUAL REACTION TO PCSK9 INHIBITORS AND LIPOPROTEIN APHERESIS: A MIND-BOGGLER CLINICAL CASE

Miguel Saraiva[1]; Pedro Palma[2]; José Alexandre Queirós[1]; Isabel Palma[1], ([1]Centro Hospitalar Universitário do Porto - Hospital de Santo António, Universidade do Porto, Portugal, [2]Centro Hospitalar Universitário de São João, Porto, Portugal)

LDL-C RESPONSE WITH DIFFERENT STATIN TREATMENT INTENSITIES IN FH PATIENTS: A SEX-SPECIFIC ANALYSIS

Michelle Schreuder[1]; Kirsten Holven[2]; Anja Johansen[3]; Charlotte Koopal[4]; M Van De Ree[4]; Ben Imholz[3]; Eric Boersma[5]; Martin Bogsrud[2]; Kjetil Retterstol[2]; Frank Visseren[4]; Jeanine Roeters Van Lennep[6], ([1]Erasmus Medical Centre, Rotterdam, Netherlands, [2]Oslo University Hospital, Oslo, Norway, [3]Institute of Basic Medical Sciences, University of Oslo, Oslo, Norway, [4]Utrecht Medical Centre, Utrecht, Netherlands, [5]University Medical Centre, Rotterdam, Netherlands, [6]Erasmus MC, Rotterdam, Netherlands)

DIAGNOSTIC THE FAMILIAL HYPERCHOLESTEROLEMIA IN WEST SIBERIA USING TARGETED HIGH THROUGHPUT SEQUENCING

Elena Shakhtshneider; Dinara Ivanoshchuk; Sergey Semaev; Olga Timoshchenko; Mikhail Voevoda, (Institute of Internal and Preventive Medicine - Branch of the ICG SB RAS, Novosibirsk, Russian Federation)

CHILD-PARENT CASCADE SCREENING FOR FAMILIAL HYPERCHOLESTEROLAEMIA IN SLOVENIA

Jaka Šikonja[1]; Matej Mlinarič[2]; Urša Šuštar[3]; Barbara Jenko Bizjan[3]; Jernej Kovač[3]; Katarina Trebušak Podkrajšek[3]; Tadej Battelino[2]; Urh Groselj[2], ([1] Metlika, Slovenia, [2]University of Ljubljana, Ljubljana, Slovenia, [3]University Children's Hospital, UMC Ljubljana, Ljubljana, Slovenia)

215 - FAMILIAL HYPERCHOLESTEROLAEMIA IN THE CARDIOLOGY WARD

William Simpson[1]; Calvin Mackinnon[1]; Rita Patel[2]; Zofia Miedzybrodzka[3], ([1]Aberdeen Royal Infirmary & University of Aberdeen, Aberdeen, United Kingdom, [2]Aberdeen Royal Infirmary, Aberdeen, United Kingdom, [3]Aberdeen University, Aberdeen, United Kingdom)

216 - NGS TESTING OF PATIENTS WITH DYSLIPIDEMIA REVEALED TWO PATIENTS WITH A HOMOZYGOUS GPIHBP1 VARIANT

Urša Šuštar[1]; Urh Groselj[2]; Barbara Jenko Bizjan[1]; Iqbal Khan[3]; Sabeen Khan[4]; Saeed Shafi[4]; Jernej Kovač[1]; Tadej Battelino[2]; Fouzia Sadiq[4], ([1]University Children's Hospital, UMC Ljubljana, Ljubljana, Slovenia, [2]University of Ljubljana, Ljubljana, Slovenia, [3]Shifa International Hospital, Islamabad, Pakistan, Islamabad, Pakistan, [4]Shifa Tameer-e-Millat University, Islamabad, Pakistan, Islamabad, Pakistan)

217 - FAMILIAL HYPERCHOLESTEROLEMIA CAUSING GENETIC MUTATIONS IDENTIFIED IN VILNIUS UNIVERSITY HOSPITAL SANTAROS KLINIKOS IN 2019-2021

Viktoras Sutkus; Žaneta Petrulionienė; Odeta Kinčinienė; Vilija Černiauskienė; Egle Skiauteryte; Urtė Aliošaitienė; Rimantė Čerkauskienė, (Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania)

IDENTIFICATION OF FAMILIAL HYPERCHOLESTEROLAEMIA (FH) IN MALTA: AN UPDATE OF THE FH REGISTRY AND CASCADE SCREENING PROGRAMME IN MALTA

Myra Tilney[1]; Antonio J. Vallejo-Vaz[2]; Azeem Majeed[2], ([1]Imperial College London, Sliema, Malta, [2]Imperial College London, London, United Kingdom)

PULSE WAVE VELOCITY CORRELATES IN PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA (FH).

Małgorzata Waluś-Miarka; Barbara Idzior-Waluś; Ewa Kawalec; Aleksandra Woźniak; Maria Kapusta, (Jagiellonian University, Kraków, Poland)

218 - HIGHER TRIGLYCERIDE TO HDL CHOLESTEROL RATIO IN MEN COMPARED TO PRE-MENOPAUSAL WOMEN IN ARABIC POPULATION.

Mustafa Al Hinai[1]; Fahad Zadjali[2], ([1]Sultan Qaboos University Hospital, Muscat, Oman, [2]SULTAN QABOOS UNIVERSITY, Khodh, Oman)

SEX DIFFERENCES IN SUBCLINICAL ATHEROSCLEROSIS

Ying Jie Chee; Rinkoo Dalan, (Tan Tock Seng Hospital, Singapore, Singapore)

219 - REPRESENTATIVENESS OF WOMEN AND RACIAL/ETHNIC MINORITIES IN RANDOMIZED CLINICAL TRIALS ON BEMPEDOIC ACID

Federica Fogacci; Davide Gori; Arrigo Cicero, (University of Bologna, Bologna, Italy)

220 - SEX DIFFERENCES IN EFFICACY AND SIDE EFFECTS OF PROPROTEIN CONVERTASE SUBTILISIN / KEXIN 9 (PCSK9) INHIBITORS IN REAL WORLD DATA

Annette Galema-Boers[1]; Kim Steward[2]; Janneke Mulder[3]; Jeanine Roeters Van Lennep[1], ([1]Erasmus MC, Rotterdam, Netherlands, [2]University Medical Centre Rotterdam, Rotterdam, Netherlands, [3]Erasmus University Medical Center, Rotterdam, Netherlands)

FEMALE PATIENTS WITH FAMILIAL HYPERCHOLESTEROLEMIA HAVE HIGHER CHOLESTEROL BURDEN AT 19 AND 30 YEARS OF AGE: DATA FROM 12-YEARS FOLLOW-UP

Anja Johansen[1]; Martin Bogsrud[2]; Kjetil Retterstøl[2]; Gisle Langslet[2]; Kirsten Holven[2], ([1]Institute of Basic Medical Sciences, University of Oslo, Oslo, Norway, [2]Oslo University Hospital, Oslo, Norway)

PECULIARITIES OF LIPID PROFILE PARAMETERS IN CARDIAC PATIENTS WITH HYPO- AND HYPERTHYROIDISM

Nino Latsabidze, (Cardiology, Tbilisi, Georgia)

221 - SMALL EXTRACELLULAR VESICLES FROM PREGNANT WOMEN WITH MATERNAL SUPRAPHYSIOLOGICAL HYPERCHOLESTEROLEMIA IMPAIR THE FUNCTION OF ENDOTHELIAL CELLS.

Susana Contreras-Duarte[1]; Claudette Cantin[2]; Lorena Carvajal[3]; Rodrigo Escalona[1]; Paula Gonzalez Mancilla[1]; David Zapata[3]; Jaime Gutierrez[1]; Andrea Leiva[1], ([1]Universidad San Sebastian, Santiago, Chile, [2]Pontificia Universidad Catolica de Chile, santiago, Chile, [3]Pontificia Universidad Catolica de Chile, Santiago, Chile)

DYSLIPIDEMIA IN DAGESTAN WOMEN AS A RISK FACTOR FOR ISCHEMIC STROKE

Kseniia Manysheva[1]; Burliyat Abusueva[2], ([1]Daghestan State Medical University, Makhachkala, Russian Federation, [2]Dagestan State Medical University, Makhachkala, Russian Federation)

SEX-DEPENDENT DIFFERENCES ON THE IMPACT OF MINOCYCLINE ADMINISTRATION IN THE DEVELOPMENT OF CORONARY ARTERY DISEASE IN A MURINE MODEL OF ACCELERATED ATHEROSCLEROSIS

Laura Parra[1]; Leticia Gonzalez Jara[2]; Marcelo Andia[2]; Sergio Uribe[2], ([1] Santiago, Chile, [2]Pontificia Universidad Catolica de Cihle, Santiago, Chile)

222 - INSULIN RESISTANCE, C-REACTIVE PROTEIN IN MEN WITH CHRONIC CORONARY ARTERY DISEASE AND PROSTATE ADENOCARCINOMA

Oksana Sirenko[1]; Olexandr Kuryata[2], ([1]Dnipro state medical university, Dnipro, Ukraine, [2]Dnipropetrovsk Medical Academy of the Ministry of Health of Ukraine, Dnipro, Ukraine)

223 - ASSOCIATION BETWEEN CHOLESTEROL SYNTHESIS MARKERS AND BIOLOGICAL SEX IN THE HEALTHY, MIDDLE-AGED POPULATION

Sandra Vladimirov; Tamara Gojkovic; Aleksandra Zeljkovic; Natasa Bogavac-Stanojevic; Vesna Spasojevic-Kalimanovska, (University of Belgrade, Faculty of Pharmacy, Belgrade, Serbia)

ASSOCIATION BETWEEN METABOLIC PARAMETERS AND COGNITIVE DYSFUNCTION IN DIFFERENT AGE GROUPS

Olga Zaprovalna[1]; Olena Kolesnikova[1]; Anna Potapenko[1]; Anastasiia Radchenko[2], ([1]Government Institution "L. T. Mala National Institute of Therapy of the NAMS of Ukraine, Kharkiv, Ukraine, [2]Department of the Study of Aging and Metabolic Associated Diseases, Government Institution "L. T. Mala National Institute of Therapy of the NAMS of Ukraine", L. Maloi Ave., 2a, 61039, Kharkiv, Ukraine, Kharkiv, Ukraine)

MORPHOLOGICAL CHANGES OF RATS THYROID GLAND UNDER THE INFLUENCE OF MODERATE DEGREE OF CELLULAR DEHYDRATION

Andrii Demikhov; Valentyna Bumeister; Inna Khomenko; Kateryna Mykhailychenko; Olha Yarmolenko; Olha Prykhodko; Nadiia Demikhova, (Sumy State University, Sumy, Ukraine)

224 - IMPACT OF DYSLIPIDEMIA ON THE IGM REPERTOIRE IN ATHEROSCLEROTIC MICE

Justine Deroissart[1]; Daria Romanovskaia[2]; Sophia Derdak[3]; Clemens Schulte[4]; Diana Pölzl[3]; Markus Jeitler[3]; Laura Göderle[3]; Christoph Bock[2]; Martin Bilban[1]; Hans Maric[4]; Christoph Binder[1], ([1]Medical University of Vienna, Vienna, Austria, [2]CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria, [3]Medical University Vienna, Vienna, Austria, [4]Rudolf Virchow Center/University of Wuerzburg, Wuerzburg, Germany)

PERCEIVED STRESS, LOW PHYSICAL ACTIVITY, AND PREVALENCE OF OBESITY IN POLICE OFFICERS

Miroslaw Janczura[1]; Rafal Rosa[2]; Jerzy Dropinski[3]; Katarzyna Kotula-Horowitz[2]; Andrzej Stanisz[4]; Teresa Domagała[5], ([1]Faculty of Health Sciences, Jagiellonian University School of Medicine,, Krakow, Poland, [2]Health Care Centre of the Ministry of the Interior and Administration, Krakow, Poland, [3]Jagiellonian University, Kraków, Poland, [4]Jagiellonian University School of Medicine, Krakow, Poland, [5]Jagiellonian University School of Medicine, Kraków, Poland)

HEALTHY LIFESTYLE CHANGES CAN IMPROVE CARDIOVASCULAR MARKERS WITHIN 10 WEEKS

Christian Koeder[1]; Andreas Hahn[2]; Heike Englert[1], ([1]University of Applied Sciences Münster, Muenster, Germany, [2]Leibniz University Hannover, Hannover, Germany)

LIPID DISORDERS IN YOUNG OBESE PATIENTS DEPENDING ON SMOKING STATUS

Elena Livantsova[1]; Yurgita Varaeva[1]; Peter Kelekhsaev[2]; Tamara Kiknadze[1]; Georgiy Leonov[1]; Antonina Starodubova[1], ([1]Federal Research Centre for Nutrition, Biotechnology and Food Safety, Moscow, Russian Federation, [2]Pirogov Russian National Research Medical University, Moscow, Russian Federation)

CARDIOPULMONARY EXERCISE TEST ALTERATIONS IN YOUNG SMOKERS WITH OBESITY

Elena Livantsova[1]; Yurgita Varaeva[1]; Peter Kelekhsaev[2]; Tamara Kiknadze[1]; Antonina Starodubova[1], ([1]Federal Research Centre for Nutrition, Biotechnology and Food Safety, Moscow, Russian Federation, [2]Pirogov Russian National Research Medical University, Moscow, Russian Federation)

225 - COMPARATIVE ANALYSIS BETWEEN THE CALORIC INTAKE AND THE INFLAMMATORY INTAKE OF DIET

Elisa Mattavelli[1]; Ruben Domenighini[2]; Liliana Grigore[2]; Laura Redaelli[2]; Cristina Tidone[3]; Angela Pirillo[3]; Fabio Pellegatta[3]; Paolo Magni[4]; Alberico L. Catapano[5]; Andrea Baragetti[1], ([1]University of Milan, Milan, Italy, [2]Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS) Multimedica Hospital, Milan, Italy, [3]Bassini Hospital, Cinisello Balsamo, Milan, Italy, [4]Universita' degli Studi di Milano, Milan, Italy, [5]university of Milan, Milan, Italy)

226 - ASSOCIATION BETWEEN INFLAMMATORY MARKERS LEVELS, INFLAMMATORY INTAKE OF DIET AND ADHERENCE TO THE MEDITERRANEAN DIET.

Elisa Mattavelli[1]; Ruben Domenighini[2]; Laura Redaelli[2]; Cristina Tidone[3]; Angela Pirillo[3]; Liliana Grigore[2]; Fabio Pellegatta[3]; Paolo Magni[4]; Alberico L. Catapano[5]; Andrea Baragetti[1], ([1]University of Milan, Milan, Italy, [2]Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS) Multimedica Hospital, Milan, Italy, [3]Bassini Hospital, Cinisello Balsamo, Milan, Italy, [4]Universita' degli Studi di Milano, Milan, Italy, [5]university of Milan, Milan, Italy)

THE MEDITERRANEAN DIET AND GLYCEMIC REGULATION IN PATIENTS WITH DYSLIPIDEMIA AND DIABETES MELLITUS TYPE 2.

Evgenia Mavrokefalou; Georgios Tomazou; Marilena Kylla; Varvara Polymniou; Dimitrios Kamarinopoulos; Stella Ntavidi; George Marakomichelakis, (General Hospital of Athens Evaggelismos, Athens, Greece)

ROUTINE USE OF FRIBROSIS-4 INDEX IN LIPID CLINIC

Tina Mazaheri[1]; Ruvini Ranasinghe[2]; Amy Jennings[2]; Wiaam Alhasani[2]; Nandini Rao[1]; Georgios Dimitriadis[3]; Royce Vincent[1], ([1]King's College Hospital, London, United Kingdom, [2]King's College Hospital NHS Foundation Trust, London, United Kingdom, [3]Kings College Hospital, London, United Kingdom)

227 - ASSOCIATION BETWEEN HAIR STEROID HORMONE LEVELS AND CARDIOMETABOLIC RISK FACTORS IN A GROUP OF WOMEN PARTICIPATING IN THE NATIONAL CVD PREVENTION PROGRAM: A CROSS-SECTIONAL STUDY

Egle Mazgelyte[1]; Agata Vysocka[2]; Martynas Narkevičius[2]; Neringa Burokienė[2]; Tomas Petrėnas[3]; Andrius Kaminskas[3]; Jurgita Songailienė[3]; Algirdas Utkus[3]; Dovilė Karčiauskaitė[4], ([1]Vilnius university Faculty of Medicine, Vilnius, Lithuania, [2]Vilnius university, Faculty of Medicine, Institute of Clinical Medicine, Vilnius, Lithuania, [3]Vilnius university, Faculty of Medicine, Institute of Biomedical Sciences, Vilnius, Lithuania, [4]Vilnius University, Vilnius, Lithuania)

228 - CARNIVORE DIET – A RARE CAUSE FOR DYSLIPIDEMIA MIMICKING HOMOZYGOUS FH

Tycho Tromp[1]; Veera Houttu[1]; Johannes Levels[1]; Aart Nederveen[1]; G.K. Hovingh[1]; Erik Stroes[2], ([1]Amsterdam UMC - Location AMC, Amsterdam, Netherlands, [2] , Netherlands)

PHYSICAL ENVIRONMENTAL IMPACTS ON ATHEROSCLEROTIC CARDIOVASCULAR DISEASE: A REVIEW

Sui Yu Yau, (HKMU, HK, Hong Kong PRC)

INTERACTION BETWEEN HOMOCYSTEINE, ANTIOXIDANTS AND LIPIDS IN PATIENTS WITH CAROTID ATHEROSCLEROSIS

Manana Akhvlediani[1]; Dudana Gachechiladze[1]; Marika Emukhvari[1]; Tamar Kvantaliani[2]; Nino Zabakhidze[1], ([1]Todua Clinic, Tbilisi, Georgia, [2]Clinic on Lars, Tbilisi, Georgia)

AN UPREGULATION OF SCUBE 2 EXPRESSION IN TYPE 2 DIABETES MELLITUS WITH DYSLIPIDEMIA

Hirowati Ali, (Faculty of Medicine, Andalas University, Padang, Indonesia)

229 - NECK-TO-HEIGHT RATIO, ARTERIAL STIFFNESS AND CARDIOMETABOLIC RISK FACTORS IN HYPERLIPIDEMIC PATIENTS: A PRELIMINARY REPORT.

Raphaela Pinheiro[1]; Carlos Oliveira[2]; Allice Rodrigues[3]; Maria Julia Meneses[4]; Renato Alves[5], ([1]Santa Casa de Misericordia de Sao Paulo Hospital, Sao Paulo, Brazil, [2]Santa Casa de Misericordia, Sao Paulo, Brazil, [3]Faculdade de Ciências Médicas da Santa Casa de São Paulo, São Paulo, Brazil, [4] Sao Paulo, Brazil, [5]Santa Casa de Misericordia de Sao Paulo Hospital, São Paulo, Brazil)

230 - RELATIONSHIP BETWEEN NECK CIRCUMFERENCE, NECK-TO-HEIGHT RATIO AND ARTERIAL STIFFNESS IN HYPERLIPIDEMIC PATIENTS: A PRELIMINARY REPORT.

Raphaela Pinheiro[1]; Carlos Oliveira[2]; Allice Rodrigues[3]; Maria Julia Meneses[4]; Renato Alves[5], ([1]Santa Casa de Misericordia de Sao Paulo Hospital, Sao Paulo, Brazil, [2]Santa Casa de Misericordia, Sao Paulo, Brazil, [3]Faculdade de Ciências Médicas da Santa Casa de São Paulo, São Paulo, Brazil, [4] Sao Paulo, Brazil, [5]Santa Casa de Misericordia de Sao Paulo Hospital, São Paulo, Brazil)

231 - HUMAN PLASMA GLYCOPROTEIN PROFILE MEASURED BY 1H-NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY IN PATIENTS WITH DIABETES AND/OR ATHEROGENIC DYSLIPIDEMIA, A NEW METHOD TO ASSESS INFLAMMATION

Nuria Amigo[1]; Rocio Fuertes[2]; Ana Malo[3]; Nuria Plana[3]; Daiana Ibarretxe[3]; Josefa Girona[3]; Xavier Correig[4]; Lluis Masana[5], ([1]Biosfer Teslab SL; DEEEA, Metabolomics platform, Universitat Rovira i Virgili, IISPV, Barcelona, Spain, [2]Biosfer Teslab, Reus, Spain, [3]Rovira y Virgili University, Reus, Spain, [4]Rovira i Virgili University, Tarragona, Spain, [5] , Spain)

232 - PROGNOSTIC VALUE OF ECHOCARDIOGRAPHIC DATA IN CHRONIC HEART FAILURE PATIENTS

Tea Gamezardashvili[1]; Tamar Avaliani[2], ([1] , , [2]N(N)LE Remedical, Tbilisi, Georgia)

THE MOST ACCURATE LIPID TEST PREDICTOR FOR ISCHEMIC HEART DISEASES IS: APOLIPOPROTEIN B, NON-HDL-C OR LDL-C.

Ramah Baaj, (Damascus, Syria)

233 - RELATION AMONG BRAIN-DERIVED NEUROTROPHIC FACTOR, DEPRESSION, AND EXTRACELLULAR VESICLES-DERIVED MIRNA: RESULTS FROM AN ITALIAN COHORT

Silvia S Barbieri[1]; Patrizia Amadio[1]; Chiara Macchi[2]; Marta Zarà[1]; Chiara Favero[3]; Giulia Solazzo[4]; Luisella Vigna[5]; Maria Francesca Greco[2]; Massimiliano Buoli[6]; Cesare Sirtori[2]; Alessandro Ieraci[2]; Massimiliano Ruscica[2]; Valentina Bollati[3], ([1]Centro Cardiologico Monzino IRCCS, Milan, Italy, [2]University of Milan, Milan, Italy, [3]Università degli Studi di Milano, Milano, Italy, [4]University of Milan, Milano, Italy, [5]Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy, [6]Fondazione IRCCS Ca'Granda Ospedale, Maggiore Policlinico, Milan, Italy)

INFLUENCE OF PCSK9 INHIBITION ON BIOMARKERS OF ATHEROSCLEROTIC PLAQUE DESTABILIZATION RELEASE IN PATIENT WITH DYSLIPIDEMIA

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234 - THE CORRELATION OF MYOKINES WITH LIPID METABOLISM AND INFLAMMATION IN YOUTH WITH SEVERE OBESITY

Margot Baumgartner[1]; Julia Lischka[1]; Charlotte De Gier[1]; Andrea Schanzer[1]; Nina-Katharina Walleczek[2]; Susanne Greber-Platzer[1]; Maximilian Zeyda[1], ([1]Medical University of Vienna, Vienna, Austria, [2]Medical University Vienna, Vienna, Austria)

ACHILLES TENDON XANTHOMAS AND OXIDIZED LDL LEVELS IN FAMILIAL HYPERCHOLESTEROLAEMIA

Marta Biolo[1]; Paolo Scarinzi[2]; Lorenzo Previato[3]; Camilla Portinari[3]; Raffaella Marin[3]; Daniela Vianello[3]; Sandra Bertocco[3]; Sabina Zambon[3]; Alberto Zambon[3], ([1]University of Padova, Padova, Italy, [2]IRCCS, Milano, Italy, [3]University of Padua, Padua, Italy)

235 - PLASMA CONCENTRATIONS OF APOLIPOPROTEINS AND INCIDENT CARDIOVASCULAR DISEASES IN PATIENTS WITH TYPE 2 DIABETES

Mikaël Croyal[1]; Pierre-Jean Saulnier[2]; Elise Gand[2]; Joe De Keizer[2]; Chloé Chevalier[1]; Valentin Blanchard[3]; Bertrand Cariou[4]; Samy Hadjadj[1], ([1]Université de Nantes, Nantes, France, [2]Poitiers University, INSERM, CHU Poitiers, Clinical investigation center CIC 1402, Poitiers, France, [3]University of British Columbia, Vancouver, Canada, [4]NANTES UNIVERSITY - CHU NANTES, Nantes, France)

Negative correlation between TSH and Chemerin levels may predict thyroid associated dyslipidemia

Safya Ebraheem Esmaeel, (NBU, Arar, Saudi Arabia)

THE RELATIONSHIP BETWEEN NONALCOHOLIC FATTY LIVER DISEASE WITH VISCERAL FAT DEPOTS OF OTHER LOCALIZATION, METABOLIC PARAMETERS AND MARKERS OF RENAL DYSFUNCTION IN PATIENTS WITH OBESITY.

Polina Erbes[1]; Sofia Shulkina[2]; Elena Smirnova[3]; Angelica Antipova[3]; Natalya Koryagina[3], ([1] Perm, Russian Federation, [2]Perm state medical university, Perm, Russian Federation, [3]Perm State Medical University named after E. A. Wagner (PSMU) of the Ministry of Healthcare of the Russian Federation., Perm, Russian Federation)

ASSOCIATIONS BETWEEN SERUM AND DIETARY OMEGA-3 FATTY ACID AND COGNITIVE FUNCTION IN A POPULATION OF COMMUNITY-DWELLING JAPANESE - TANUSHIMARU STUDY -

Ako Fukami[1]; Hiromi Sato[1]; Maki Yamamoto[1]; Nagisa Morikawa[1]; Mika Enomoto[1]; Hisashi Adachi[2]; Yoshihiro Fukumoto[1], ([1]Kurume Univiersity School of Medicine, Kurume, Fukuoka, Japan, [2]Keikokai, Hara Hospital, Fukuoka, Japan)

SDLDL PARTICLES ARE ASSOCIATED WITH RESIDUAL INFLAMMATORY RISK IN PATIENTS WITH SEVERE ATEROSCLEROSIS AND OPTIMAL LEVELS OF LDL

Leticia Gonzalez Jara[1]; Maria Fernanda Menares[2]; Juan Francisco Bulnes[2]; Attilio Rigotti R[2]; Marcelo Andia[1]; Gonzalo Martinez R[2], ([1]Pontificia Universidad Catolica de Cihle, Santiago, Chile, [2]Pontificia Universidad Catolica, Santiago, Chile)

236 - CHARACTERIZATION OF FETUIN-A LEVELS IN PATIENTS WITH AUTOIMMUNE THYROID DISEASE

Inez Lengyel[1]; Sándor Halmi[1]; Hajnalka Lőrincz[2]; Sára Bak-Csiha[1]; Mónika Katkó[2]; Mariann Harangi[2]; Endre Nagy[1]; Gyorgy Paragh[1]; Miklós Bodor[1]; Eszter Berta[1], ([1]University of Debrecen, Faculty of Medicine, Debrecen, Hungary, [2]University of Debrecen Faculty of Medicine, Debrecen, Hungary)

237 - PLASMINOGEN ACTIVATOR INHIBITOR-1 LEVEL ASSOCIATED WITH THE COMPONENTS OF METABOLIC SYNDROME IN A 4G/5G POLYMORPHISM DEPENDENT MANNER

Hajnalka Lőrincz[1]; Erika Galgóczy[1]; Mónika Katkó[1]; Balázs Ratku[1]; Tamás Ötvös[1]; Mariann Harangi[1]; Gyorgy Paragh[2]; Zoltán Szabó[1]; Sándor Somodi[1], ([1]University of Debrecen Faculty of Medicine, Debrecen, Hungary, [2]University of Debrecen, Faculty of Medicine, Debrecen, Hungary)

238 - SERUM PROGRANULIN LEVEL IN PATIENTS WITH NEWLY DIAGNOSED UNTREATED FAMILIAL HYPERCHOLESTEROLEMIA

Bíborka Nádró[1]; Hajnalka Lőrincz[1]; Lilla Juhász[1]; Anita Szentpéteri[1]; Ferenc Sztanek[1]; Ildiko Seres[2]; Dénes Páll[1]; Péter Fülöp[1]; Gyorgy Paragh[2]; Mariann Harangi[1], ([1]University of Debrecen Faculty of Medicine, Debrecen, Hungary, [2]University of Debrecen, Faculty of Medicine, Debrecen, Hungary)

239 - METABOLIC INDICATORS OF AN ALTERED SPHINGOLIPID METABOLISM ARE BIOMARKERS FOR NON-ALCOHOLIC FATTY LIVER DISEASE

Thorsten Hornemann; Florine Wipfli, (University Hospital Zurich, Schlieren, Switzerland)

THE RELATION BETWEEN THE MICROALBUMINURIA AND LIPID PROFILE IN THE CHD AND HYPERTENSIVE PATIENTS

Nona Kakauridze[1]; Maka Sologashvili[2], ([1]Tbilisi state medical university, Tbilisi, Georgia, [2]Georgian atherosclerosis Association, Tbilisi, Georgia)

240 - THE CERAMIDE- AND PHOSPHATIDYLCHOLINE- BASED CORONARY EVENT RISK TEST2 (CERT2) AND CARDIOVASCULAR MORTALITY IN MEN AND WOMEN WITH TYPE 2 DIABETES

Andreas Leiherer[1]; Axel Muendlein[1]; Christoph Saely[2]; Barbara Larcher[3]; Arthur Mader[3]; Maximilian Maechler[3]; Lukas Sprenger[3]; Valentin Grabher[1]; Reijo Laaksonen[4]; Mitja Laaperi[4]; Antti Jylha[4]; Peter Fraunberger[5]; Heinz Drexel[1], ([1]Vorarlberg Institute for Vascular Investigation & Treatment (VIVIT), Feldkirch, Austria, [2]Private University of the Principality of Liechtenstein, Triesen, Liechtenstein, [3]Academic Teaching Hospital Feldkirch, Feldkirch, Austria, [4]Zora Biosciences, Espoo, Finland, [5]Medical Central Laboratories, Feldkirch, Austria)

241 - REMNANT CHOLESTEROL IN PATIENTS WITH ESTABLISHED CARDIOVASCULAR DISEASE PREDICTS CARDIOVASCULAR EVENTS BOTH AMONG PATIENTS WITH TYPE 2 DIABETES AND AMONG NON-DIABETIC SUBJECTS

Arthur Mader[1]; Lukas Sprenger[1]; Alexander Vonbank[1]; Barbara Larcher[1]; Maximilian Maechler[1]; Valentin Grabher[2]; Andreas Leiherer[2]; Axel Muendlein[2]; Heinz Drexel[2]; Christoph Saely[3], ([1]Academic Teaching Hospital Feldkirch, Feldkirch, Austria, [2]Vorarlberg Institute for Vascular Investigation & Treatment (VIVIT), Feldkirch, Austria, [3]Private University of the Principality of Liechtenstein, Triesen, Liechtenstein)

242 - THE NEW MYOKINE MYONECTIN IS SIGNIFICANTLY ASSOCIATED WITH TYPE 2 DIABETES IN ELDERLY CARDIOVASCULAR DISEASE PATIENTS

Andreas Leiherer[1]; Axel Muendlein[1]; Kathrin Geiger[1]; Christoph Saely[2]; Valentin Grabher[1]; Peter Fraunberger[3]; Heinz Drexel[1], ([1]Vorarlberg Institute for Vascular Investigation & Treatment (VIVIT), Feldkirch, Austria, [2]Private University of the Principality of Liechtenstein, Triesen, Liechtenstein, [3]Medical Central Laboratories, Feldkirch, Austria)

THE POSSIBLE ROLE OF TYG INDEX AND TRG/HDL, CRP/HDL, NEUTROPHILS/HDL LYMPHOCYTES/HDL RATIOS IN DISEASE SEVERITY AND OUTCOMES IN COVID-19 HOSPITALIZED PATIENTS WITH ARTERIAL HYPERTENSION.

Angelos Liontos[1]; Dimitrios Biros[1]; Alexandros Papathanasiou[1]; Orestis Milionis[1]; Maria Nasiou[1]; Eleni Pargana[1]; Nikolaos-Gavriil Kolios[1]; Christiana Pappa[1]; Stavros Tsourlos[1]; Lazaros Athanasiou[1]; George Siopis[1]; Athina Zarachi[1]; Konstantina Tsarapatsani[2]; Valentini Samanidou[1]; Revekka Konstantopoulou[1]; Ilias Tsiakas[1]; Sempastien Filippas-Ntekouan[1]; Ioannis Vagias[1]; Eirini Christaki[1]; Evangelos Liberopoulos[3]; Haralampos Milionis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]UNIVERSITY OF IOANNINA, IOANNINA, Greece, [3]National and Kapodistrian University of Athens, Athens, Greece)

CORRELATION OF MONOMERIC C-REACTIVE PROTEIN LEVEL WITH SUBCLINICAL CAROTID ATHEROSCLEROSIS PROGRESSION IN PATIENTS WITH LOW-GRADE CAROTID STENOSES AND MODERATE SCORE RISK

Ivan Melnikov; Sergey Kozlov; Olga Pogorelova; Maria Tripoten; Leyla Khamchieva; Tatiana Balakhonova; Olga Saburova; Yuliya Avtaeva; Maria Zvereva; Tatiana Kuznetsova; Lyudmila

Prokofieva; Zufar Gabbasov, (National Medical Research Center of Cardiology, Moscow, Russian Federation)

ASSOCIATIONS OF THE FATTY ACIDS WITH THE CONCENTRATION OF ANTIOXIDANT ENZYMES IN THE BLOOD IN MEN WITH CORONARY HEART DISEASE

Viktoriya Shramko[1]; Eugeniia Striukova[2]; Yana Polonskaya[3]; Ekaterina Stakhneva[3]; Alexey Kurguzov[4]; Elena Kashtanova[3]; Yuliya Ragino[3], ([1]Research Institute of Internal and Preventive Medicine , Novosibirsk, Russian Federation, [2]Research Institute of Internal and Preventive Medicine, Novosibirsk, Russian Federation, [3]Research Institute of Internal and Preventive Medicine – Branch of IC&G SB RAS, Novosibirsk, Russian Federation, [4]The Federal State Budgetary Institution "National Medical Research Center named academician E.N. Meshalkin", Novosibirsk, Russian Federation)

METABOLIC SYNDROME AND CARDIOVASCULAR DISEASE RISK IN END-STAGE RENAL DISEASE PATIENTS

Susana Coimbra[1]; Flávio Reis[2]; Sara Nunes[2]; Sofia Viana[2]; Susana Rocha[1]; Maria Valente[1]; Cristina Catarino[1]; Petronila Rocha-Pereira[3]; Elsa Bronze-Da-Rocha[1]; José Oliveira[4]; João Fernandes[5]; José Madureira[6]; Maria Faria[7]; Vasco Miranda[8]; Luís Belo[1]; Alice Santos-Silva[9], ([1]UCIBIO – Applied Molecular Biosciences Unit, Porto, Portugal, [2]Faculty of Medicine, & CIBB Consortium, Coimbra, Portugal, [3]Health Science Research Centre, University of Beira Interior, Covilhã, Portugal, [4]Faculty of Medicine, Porto, Porto, Portugal, [5]NefroServe, Viana do Castelo, Portugal, [6]NefroServe, Barcelos, Portugal, [7]Hospital Agostinho Ribeiro, Felgueiras, Portugal, [8]Hemodialysis Clinic of Gondomar, Gondomar, Portugal, [9]UCIBIO – Applied Molecular Biosciences Unit ; Associate Laboratory i4HB - Institute for Health and Bioeconomy, Porto, Portugal)

243 - CORRECTION OF LIPID, HEMOSTATIC DISORDERS AND REMODELING OF BRACHIOCEPHAL ARTERIES IN PATIENTS OF VERY HIGH RISK OF CARDIO-VASCULAR DEATH

Olesya Rubanenko; Anatoly Rubanenko; Igor Davydkin, (Samara State Medical University, Samara, Russian Federation)

Diagnostic role of sortilin and inflammation markers in atherogenesis of coronary arteries in patients with arterial hypertension

Irina Sharafutdinova; Irina Gubareva; Yulia Vukolova, (Samara State Medical University, Samara, Russian Federation)

BASELINE HIGH-DENSITY LIPOPROTEIN LEVEL IS ASSOCIATED WITH COVID-19 PNEUMONIA SEVERITY IN HEMODIALYSIS PATIENTS

Natalia Stepanova[1]; Andriy Rysyev[2]; Oksana Rusyn[3]; Tetyana Ostapenko[4]; Lyudmila Snisar[5]; Serhiy Rusanov[6], ([1]State Institution "Institute of Nephrology National Academy of Medical Science of Ukraine, Kyiv, Ukraine, [2]Dialysis Medical Center LLC "Link-Medital", Odesa, Ukraine, [3]Dialysis Medical Center LLC "Nephrocenter", Lviv, Ukraine, [4]Dialysis Medical Center LLC "Nephrocenter", Zaporizhzhia, Ukraine, [5]State Institution "Institute of Nephrology National Academy of Medical Science of Ukraine", Kyiv, Ukraine, [6]Dialysis Medical Center LLC "Nephrocenter", Kyiv, Ukraine)

SERUM INDOXYL SULFATE LEVEL PREDICTS ATHEROGENIC DYSLIPIDEMIA IN DIALYSIS PATIENTS

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PLASMA ADIPONECTIN AS AN INDICATOR OF THE EFFECTIVENESS OF CHD THERAPY IN PATIENTS WITH METABOLIC SYNDROME

Dmitry Tanyanskiy; Elvira Firova; Alexander Denisenko, (Institute of Experimental Medicine, St-Petersburg, Russian Federation)

244 - MICRORNAS AS POTENTIAL NOVEL BIOMARKERS FOR VULNERABLE CORONARY PLAQUE CHARACTERISTICS AND EXERCISE EFFECTS.

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IDENTIFICATION OF A MIRNA BASED-SIGNATURE ASSOCIATED WITH ACUTE CORONARY SYNDROME: EVIDENCE FROM THE FLORINF STUDY

Meyer Elbaz[1]; Julien Faccini[2]; Elisa Grousset[2]; Jean-Bernard Ruidavets[3]; Cecile Vindis[2], ([1]Rangueil Hospital, Toulouse, France, [2]INSERM, Toulouse, France, [3]INSERM 1027, Toulouse, France)

TETRAHYDROXYSTILBENE GLYCOSIDE ATTENUATES ENDOTHELIAL DYSFUNCTION AND OBESITY-ASSOCIATED HYPERTENSION IN OBESE RATS: THE ROLE OF OMENTIN-1

Haifeng Zhang; Qianqian Dong; Kaifeng Li; Tuo Zhang; Yunshu Wangsun; Wenjuan Xing, (Fourth Military Medical University, Xi'an, China)

EVALUATION THE EFFECTIVENESS OF THE MEDICAL CARE QUALITY IN PATIENTS WITH DYSLIPIDEMIA

Oleksii Demikhov; Iya Dehtyarova; Nadiia Demikhova, (Sumy State University, Sumy, Ukraine)

GENDER DISPARITIES IN THE EFFECT OF FAMILY STRESS ON RISK OF MYOCARDIAL INFARCTION IN POPULATION 25-64 YEARS: WHO EPIDEMIOLOGICAL PROGRAM MONICA-PSYCHOSOCIAL

Valery Gafarov; Elena Gromova; Dmitriy Panov; Igor Gagulin; Almira Gafarova, (Institute of Internal and Preventive Medicine – branch of Institute of Cytology and Genetics RAS, Novosibirsk, Russian Federation)

ONCE AGAIN DETERMINING THE RISK THRESHOLD FOR STATIN THERAPY IN PREVENTIVE CARDIOLOGY USING PATIENTS' PREFERENCES AND BENEFIT–HARM BALANCE MODEL

Davood Khalili[1]; Hassan Saadati[2]; Hamid Reza Baradaran[3]; Goodarz Danaei[4]; Farzad Hadaegh[5], ([1]shahid Beheshti University of Medical Sciences, Tehran, Iran, [2]School of Health, North Khorasan University of Medical Sciences, Bojnord, Iran, [3]School of Public Health, Iran University of Medical Sciences, Tehran, Iran, [4]Harvard TH Chan School of Public Health, Boston, United States of America, [5]Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran)

RELATIONSHIP BETWEEN GFR, BLOOD PRESSURE AND LIPID PROFILE IN 25-44-YEAR-OLDS IN NOVOSIBIRSK

Alyona Khudyakova[1]; Yuliya Ragino[2]; Diana Denisova[2]; Liliya Shcherbakova[2], ([1]The Institute of Internal and Preventive Medicine – a branch of a federal publicly funded scientific institution, the federal research center Institute of Cytology and Genetics, the Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russian Federation, [2]Research Institute of Internal and Preventive Medicine – Branch of IC&G SB RAS, Novosibirsk, Russian Federation)

SOME SOCIAL AND CLINICAL CHARACTERISTICS OF PATIENTS ON IPCSK9 THERAPY IN KARELIA REPUBLIC

Victoria Korneva[1]; Tatiana Kuznetsova[2]; Natalya Vezikova[1], ([1]Petrozavodsk State University, PETROZAVODSK, Russian Federation, [2]National Medical Research Center of Cardiology, Moscow, Russian Federation)

INFLUENCE OF NONCONVENTIONAL RISK FACTORS ON THE SEVERITY OF CORONARY ATHEROSCLEROSIS IN PATIENTS WITH ACUTE CORONARY SYNDROME LIVING IN THE NORTH OF RUSSIA

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ASSOCIATION OF SELF-REPORTED HEALTH AND WELLBEING INDICATORS WITH A POSITIVE DIAGNOSIS FOR COVID-19. CARTSESIAN-CY STUDY

Galatia Photiou[1]; Nicos Middleton[2]; Demosthenes Panagiotakos[3]; Andrie Panayiotou[2], ([1]Cyprus International Institute for Environmental and Public Health , Paphos, Cyprus, [2]Cyprus University of Technology, Limassol, Cyprus, [3]Harokopio University, Athens, Greece, Kallithea, Greece)

DIFFERENCES IN PHYSICAL ACTIVITY IN PATIENTS WITH MYOCARDIAL INFARCTION AND THE GENERAL POPULATION

Darya Sedykh; Vasiliy Kashtalap; Tatyana Petrova; Oksana Hryachkova, (Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

IRRATIONAL BELIEFS AND HEALTH ANXIETY IN RELATION TO HYPERTENSION, HYPERCHOLESTEROLEMIA AND LIFESTYLE BEHAVIORS; THE ATTICA EPIDEMIOLOGICAL STUDY.

Christina Vassou[1]; Thomas Tsiampalis[2]; Ekavi Georgousopoulou[3]; Christina Chrysohoou[4]; Mary Yannakoulia[2]; Christos Pitsavos[4]; Mark Cropley[5]; Demosthenes Panagiotakos[2], ([1] Athens, Greece, [2]Harokopio University, Athens, Greece, Kallithea, Greece, [3]University of Notre Dame, Sydney, Australia, [4]University of Athens, Greece, Athens, Greece, [5]University of Surrey, Guildford, United Kingdom)

EVALUATION OF THE NEED FOR PSYCHO-SOCIAL SUPPORT IN PATIENTS WITH CORONARY HEART DISEASE

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ASSESSMENT OF ATHEROSCLEROTIC LESIONS OF THE CAROTID ARTERIES DEPENDING ON THE SMOKING INDEX IN PATIENTS WITH CORONARY ARTERY DISEASE

Muborakhon Zokirova; Surayo Shukurdjanova; Maksuda Zubaydullaeva; Nigora Nuritdinova, (Tashkent Medical Academy, Tashkent, Uzbekistan)

245 - P-SELECTIN AS A MODULATOR OF FIBRIN CLOT PROPERTIES IN PATIENTS TREATED WITH HIGH-DOSE STATINS

Jakub Siudut; Michal Zabczyk; Maciej Polak; Jacek Jawień; Anetta Undas, (Jagiellonian University, Krakow, Poland)

246 - IN VITRO STUDIES ON THE MECHANISMS EXERTED BY A MIXTURE OF LACTOBACILLUS PLANTARUM ALONE OR COMBINED WITH BERBERINE AND FERMENTED RED RICE ON CHOLESTEROL HOMEOSTASIS

Francesca Bordonaro[1]; Sara Mazza[1]; Elena Frisa[1]; Agnese Granata[1]; Flavia Di Vincenzo[1]; Paola Sperandeo[1]; Alessandra Polissi[1]; Alberto Corsini[2]; Lorenzo Arnaboldi[1], ([1]Università degli Studi di Milano, milano, Italy, [2]UNIVERSITY OF MILAN, MILAN, Italy)

247 - DIETARY CHOLINE INCREASES PLASMA CONCENTRATION OF GUT-DERIVED UREMIC TOXINS AND METABOLITES ASSOCIATED WITH CHRONIC KIDNEY DISEASE PROGRESSION IN APOE-KNOCKOUT MICE WITH ELEVATED HDL

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248 - POLYMORPHISM IN THE APOLIPOPROTEIN C3 GENE AND CORONARY LESIONS IN PATIENTS WITH CHD

Rano Alieva; Aziz Eshpulatov; Alexander Shek, (RSSMC, Tachkent, Uzbekistan)

249 - GENOME-WIDE ASSOCIATION AND MENDELIAN RANDOMIZATION ANALYSES IDENTIFY NOVEL GENETIC AND METABOLIC DETERMINANTS OF ACUTE PANCREATITIS

Jérôme Bourgault[1]; Erik Abner[2]; Émilie Gobeil[1]; Arnaud Girard[3]; Eloi Gagnon[1]; Christian Couture[4]; Patrick Mathieu[5]; Tonu Esko[2]; Benoit Arsenault[5], ([1]Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec, Quebec city, Canada, [2]University of Tartu, Tartu, Estonia, [3]Quebec Heart and Lung Institute, L'Ancienne-Lorette, Canada, [4]Quebec Heart and Lung Institute, Québec, Canada, [5]Université Laval, Québec, Canada)

250 - CONTRIBUTION OF APOE GENETIC VARIANTS TO DYSLIPIDEMIA

Ana Maria Bea[1]; Fernando Civeira[2]; Victoria Marco-Benedí[2]; Itziar Lamiquiz-Moneo[2]; Rocio Mateo-Gallego[1]; Estibaliz Jarauta[1]; Martin Laclaustra[1]; Ana Cenarro[2], ([1]Hospital Universitario Miguel Servet, IIS Aragón, CIBERCV, Zaragoza, Spain, [2]Instituto de Investigación Sanitaria Aragón, Zaragoza, Spain)

NOVEL PATHOGENIC VARIANTS OF THE LDLR GENE IDENTIFIED IN PUTATIVE FH SUBJECTS

Tommaso Fasano[1]; Efrem Bonelli[1]; Emanuele Alberto Negri[1]; Chiara Trenti[1]; Roberta Gnoni[1]; Sebastiano Calandra[2]; Stefano Bertolini[3], ([1]AUSL - IRCCS REGGIO EMILIA, REGGIO EMILIA, Italy, [2]University od Modena and Reggio Emilia, Modena, Italy, [3]University of Genova, Genova, Italy)

CLINICAL AND GENETIC DATA OF THAI SUBJECTS WITH FAMILIAL HYPERCHOLESTEROLEMIA FROM THE THAI FH REGISTRY

Poranee Ganokroj[1]; Suwanna Muanpetch[2]; Nuntakorn Thongtang[3]; Rungroj Krittayaphong[3]; Kanya Suphapeetiporn[4]; Vorasuk Shotelersuk[4]; Weerapan Khovidhunkit[4], ([1]Chulalongkorn University, Bangkok, Thailand, [2]King Chulalongkorn Memorial Hospital, the Thai Red Cross Society, Bangkok, Thailand, [3]Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand, [4]Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand)

MITOCHONDRIAL HETEROPLASMY VARIANTS ASSOCIATED WITH SUBCLINICAL ATHEROSCLEROSIS

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FABP2 GENE POLYMORPHISM (ALA54THR) AND ANTHROPOMETRIC, LIPID AND GLUCOMETABOLIC PARAMETERS DURING EXERCISE EXPANSION

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THE ASSOCIATION BETWEEN GENETIC MARKERS FROM GWAS AND ESSENTIAL HYPERTENSION IN A CASE-CONTROL STUDY (SIBERIAN POPULATION)

Ekaterina Mazdorova[1]; Andrew Ryabikov[2]; Vladimir Maximov[3]; Pavel Orlov[3]; Sofia Malyutina[2], ([1]Research Institute of Internal and Preventive Medicine , Novosibirsk, Russian Federation, [2]Institute of Internal and Preventive Medicine - Branch of Institute of Cytology and Genetics SB RAS, Novosibirsk, Russian Federation, [3]Scientific Research Institute of Internal and Preventive Medicine, Novosibirsk, Russian Federation)

SNPS AND HAPLOTYPES IN THE CETP GENE AND THEIR EFFECTS ON CARDIOVASCULAR RISK ESTIMATED BY FRS AND SCORE IN THE HUNGARIAN GENERAL AND ROMA POPULATIONS

Peter Piko[1]; Zsigmond Kosa[2]; Janos Sandor[3]; Ildiko Seres[3]; Gyorgy Paragh[3]; Roza Adany[3], ([1]University of Debrecen, Debrecen, Hungary, [2]University of Debrecen, Faculty of Health, Nyíregyháza, Hungary, [3]University of Debrecen, Faculty of Medicine, Debrecen, Hungary)

ASSOCIATION OF FTO SNPS WITH DYSLIPIDEMIA

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251 - CHROMATIN CONFIGURATION IS ALTERED IN NASH RESULTING IN DELETERIOUS RNA EXPRESSION RELATED TO NASH ETIOLOGY

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CARDIOVASCULAR DISEASE BIOMARKERS DERIVED FROM CIRCULATING CELL-FREE DNA METHYLATION

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GENETIC RISK SCORE OF HYPERTIGLYCERIDEMIA AND ITS INTERACTION WITH CLINICAL VARIANTS

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PREDICTIVE MODEL FOR THE ASSESSMENT OF THE RISK OF DEVELOPING ATHEROSCLEROSIS BASED ON EPIGENETIC MARKERS AND CLINICAL PARAMETERS IN PATIENTS WITH CARDIOVASCULAR DISEASE: CORDIOPREV STUDY

Yelizaveta Krylova[1]; Magdalena Cardelo[2]; Elena Yubero Serrano[2]; Juan Alcala-Diaz[2]; Purificación Gómez Luna[3]; Maite Sanchez Giraldo[4]; Juan Romero-Cabrera[2]; Jose Torres-Peña[2]; Antonio García Rios[4]; Pablo Perez-Martinez[2]; Oriol Alberto Rangel Zuniga[4]; Jose Lopez-Miranda[2], ([1]Lipids and Atherosclerosis Unit, IMIBIC/Reina Sofıa University Hospital, University of Córdoba and CIBER Fisiopatología de la obesidad y la Nutrición (CIBEROBN), Instituto de Salud Carlos III, Madrid, Spain., Córdoba, Spain, [2]Maimonides Institute for Biomedical Research in Cordoba, Reina Sofia University Hospital, University of Córdoba, and CIBER Physiopathology of Obesity and Nutrition (CIBEROBN), Carlos III Health Institute, CÓRDOBA, Spain, [3]Reina Sofia University Hospital. CIBER Fisiopatología de la Obesidad y Nutrición., Cordoba, Spain, Spain, [4]Instituto Maimónides de Investigación Biomédica de Córdoba, Córdoba, Spain)

EFFECT OF INCREASING DOSES OF STATINS ON THE LEVEL OF SERUM MICRORNAS INVOLVED IN REVERSE CHOLESTEROL TRANSPORT AND INFLAMMATION

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ANALYSIS OF MICRORNA BIOMARKERS IN INFLAMMATORY PATHWAYS REGULATION OF PRE-MATURED ATHEROSCLEROSIS IN RATS MODEL

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Sonja Rajic[1]; Saara Marttila[1]; Pashupati Mishra[1]; Nina Mononen[1]; Olli Raitakari[2]; Leo-Pekka Lyytikäinen[1]; Mika Kähönen[1]; Nina Hutri-Kähönen[1]; Melanie Waldenberger[3]; Terho Lehtimäki[1]; Emma Raitoharju[1], ([1]Tampere University, Tampere, Finland, [2]University of Turku, Turku, Finland, [3]Helmholtz Zentrum München, Neuherberg, Germany)

MIRNA EXPRESSION PROFILE IN SEVERE CAROTID ATHEROSCLEROSIS

Anton Raskurazhev; Polina Kuznetsova; Alla Shabalina; Marine Tanashyan, (Research Center of Neurology, Moscow, Russian Federation)

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Alina Rose[1]; Jesus Rodriguez-Aguilera[1]; Gerda Schicht[2]; Andrea Lohrenz[2]; Andrey Tvardovskiy[3]; Jörg Büscher[4]; Anne Hoffmann[1]; Georg Damm[5]; Ulrich Laufs[6]; Daniel Seehofer[2]; Matthias Blüher[1]; Bilal Sheikh[1], ([1]Helmholtz-Institut für Metabolismus-, Adipositas- und Gefäßforschung (HI-MAG), Leipzig, Germany, [2]University of Leipzig, Leipzig, Germany, [3]Helmholtz Zentrum Muenchen, Neuherberg, Germany, [4]Max-Planck-Institute of Immunology and Epigenetics, Freiburg, Germany, [5]Klinik und Poliklinik fuer Kardiologie, Leipzig, Germany, [6]Leipzig University, Leipzig, Germany)

CIRCULATING MICRO-146A AND PRO-INFLAMMATORY CYTOKINES IN PATIENTS WITH CORONARY ARTERY DISEASE WITH TYPE 2 DIABETES MELLITUS

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LNCRNA- HOXA-AS3 - MIRNA NETWORK IN ATHEROSCLEROSIS

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Tycho Tromp[1]; Laurens Reeskamp[2]; Aldo Grefhorst[1]; Erik Stroes[3]; G.K. Hovingh[1], ([1]Amsterdam UMC - Location AMC, Amsterdam, Netherlands, [2]Amsterdam UMC, Amsterdam, Netherlands, [3] , Netherlands)

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ASSOCIATION OF ANGIOTENSIN-CONVERTING ENZYME INSERTION/DELETION GENE POLYMORPHISM WITH CARDIOVASCULAR RISK FACTORS IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION

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BIOCHEMICAL AND DIAGNOSTIC IMAGING METHODS OF ATHEROSCLEROTIC PLAQUE RUPTURE RISK ASSESSMENT.

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HIGH PREVALENCE OF ATHEROSCLEROSIS COMORBIDITY AND HIS RISK FACTORS IN PATIENTS WITH PSORIATIC ARTHRITIS COMPARED TO PSORIASIS WITHOUT ARTHRITIS: A RETROSPECTIVE DERMATOLOGICAL CLINIC-BASED STUDY.

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Greta Brocculi[1]; Agnese Garavaglia[2]; Liliana Grandi[3]; Elisabetta Grillo[4], ([1]Novartis Farma S.p.A., Origgio, Italy, [2]Novartis Farma, Origgio, Italy, [3]Novartis Pharma, Origgio (VA), Italy, [4]Novartis , Origgio, Italy)

CORRELATIONS BETWEEN HDL CHOLESTEROL RATIO AND SLEEP DISORDERED BREATHING IN PATIENTS WITH HYPERTENSION AND DIABETES MELLITUS

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VITAMIN D DEFICIENCY AS A RISK FACTOR FOR ARTERIAL HYPERTENSION AND CHRONIC KIDNEY DISEASE IN OBESE PATIENTS.

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Amy Clarke[1]; Silvia Bodini[2]; Laura Douglas[2]; Alberico L. Catapano[3]; Leonardo De Luca[4]; Tim Hollstein[5]; Jules Payne[6]; Matteo Pirro[7]; Adie Viljoen[8]; Anja Vogt[9]; Rob Horne[10], ([1] Brampton, United Kingdom, [2]Spoonful of Sugar Limited, a University College London (UCL) Business Company, Hove, United Kingdom, [3]university of Milan, Milan, Italy, [4]AO San Camillo-Forlanini Hospital, Roma, Italy, [5]University of Kiel, Arnold-Heller-Straße 3, Kiel, Germany, [6]HEART UK - The Cholesterol Charity., Maidenhead, United Kingdom, [7]University of Perugia, Perugia, Italy, [8]Lister Hospital, stevenage, United Kingdom, [9]Klinikum der Universität München, Munich, Germany, [10]University College London, London, United Kingdom)

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Mariana Guelli[1]; Lorena Dias[2]; Leticia Costa[2]; Daniela Zampier[2]; Isabella Maria Silva[2]; Thais Ibañez[2]; Sergio Nunes[2], ([1]University Center of Volta Redonda, 240560, Brazil, [2]University Center of Volta Redonda, Volta Redonda, Brazil)

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Anna Isayeva; Lolita Matiashova, (L.T. Mala National Therapy Institute of NAMSU, Kharkiv, Ukraine)

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Oksana Kopylova[1]; Alexandra Ershova[2]; Alexey Meshkov[2]; Maria Pokrovskaya[2]; Anastasia Blokhina[2]; Alena Limonova[2]; Victoria Metelskaya[3]; Oxana Drapkina[2], ([1]National Medical Research Center for Preventive Medicine, Moscow, Russian Federation, [2]National Medical Research Center for Therapy and Preventive Medicine, Moscow, Russian Federation, [3]National Medical Center for Preventive Medicine, Moscow, Russian Federation)

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Angelos Liontos[1]; Dimitrios Biros[1]; Orestis Milionis[1]; Stavros Tsourlos[1]; Lazaros Athanasiou[1]; Alexandros Papathanasiou[1]; Nikolaos-Gavriil Kolios[1]; Christiana Pappa[1]; Cornelia Veliani[1]; Valentini Samanidou[1]; George Siopis[1]; Eleni Pargana[1]; Maria Nasiou[1]; Nikol-Natalia Armata[1]; Stavros-Periklis Anagnostopoulos[1]; Aikaterini Poulopoulou[1]; Sempastien Filippas-Ntekouan[1]; Maria Christaki[1]; Iro Rapti[1]; Aikaterini Panteli[1]; Maria Kosmidou[1]; Ilias Tsiakas[1]; Ioannis Vagias[1]; Evangelos Liberopoulos[2]; Eirini Christaki[1]; Haralampos Milionis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]National and Kapodistrian University of Athens, Athens, Greece)

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Angelos Liontos[1]; Athina Zarachi[1]; Orestis Milionis[1]; Pezoulas Vasileios[2]; Ioannis Komnos[1]; Eleftherios Klouras[1]; Aikaterini Lianou[1]; Dimitrios Biros[1]; Konstantinos Papaloukas[2]; Dimitrios Fotiadis[2]; Ioannis Kastanioudakis[1]; Haralampos Milionis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]UNIVERSITY OF IOANNINA, IOANNINA, Greece)

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Alessandro Maloberti; Davide Ceruti; Elena Gualini; Valentina Colombo; Valentina Giani; Martina Milani; Jinwei Sun; Marta Alloni; Cristina Giannattasio, (ospedale niguarda, milano, Italy)

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Yaroslav Skybchyk[1]; Kyrylo Mikhaliev[2]; Oleg Zharinov[3], ([1]Heart Institute of the Ministry of Health of Ukraine, Kyiv, Ukraine, [2]SIS "RPC PCM" SAD, Kyiv, Ukraine, [3]Shupyk National Healthcare Univercity of Ukraine, Kyiv, Ukraine)

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Viktoriia Alieksieieva[1]; Iryna Muryzina[2]; Mykola Shcherbina M[2]; Vitaliy Gargin[2], ([1]Kharkiv National Medical University, Kharkiv, Ukraine, [2]Kharkiv National Medical Universuty, Kharkiv, Ukraine)

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Nargiza Nurillaeva; Ra'No Rajabova; Ulug'Bek Ismoilov, (Tashkent Medical Academy, Tashkent, Uzbekistan)

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Olha Shtepa, (Dnipro state medical university, Dnipro, Ukraine)

270 - SERUM LIPIDS AND IL-6 CONCENTRATION IN RATS FED WITH HIGH PROTEIN DIET AFTER SIBUTRAMINE TREATMENT

Maria Trapali, (UNIVERSITY OF WEST ATTICA,GREECE, ATHENS, Greece)

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Ergashali Tursunov; Amayak Kevorkov, (Republican Specialized Scientific Practical Medical Center of Cardiology, Tashkent, Uzbekistan)

THE ASSOCIATION OF PANCREATIC STEATOSIS WITH TYPE 2 DIABETES AND HYPERTENSION

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Clara Viñals[1]; Lydia Sastre[2]; Raquel Garcia[2]; Antonio Amor[1]; Gema Yago[1]; Alicia Hervas[2]; Lorena Sanchez[1]; Joan Trabal[1]; Judit Molero[1]; Laia Escude[2]; Giulia Pagano[2]; Miqual Blasco[1]; Rosa Gelabert[1]; Pablo Ruiz[3]; Jordi Colmenero[3]; Miquel Navasa[4]; Gonzalo Crespo[3]; Emilio Ortega[5], ([1]Hospital Clínic Barcelona, Barcelona, Spain, [2]Hospital Clínic de Barcelona, Barcelona, Spain, [3]Institut d'Investigacions Biomèdiques August Pi I Sunyer, Barcelona, Spain, [4]Centro de Investigación Biomédica

en Red-Enfermedades Hepáticas y Digestivas, Madrid, Spain, [5]Centro de Investigación Biomédica en Red-Fisiopatología de la Obesidad y Nutrición, Madrid, Spain)

COMPARISION OF ATHEROGENIC INDEX OF PLASMA AND RISK FACTORS IN OVERWEIGHT, OBESE AND MORBID OBESE SUBJECTS

Cennet Yildiz; Dilay Karabulut; Fatma Nihan Turhan Çağlar, (Bakırköy Dr. Sadi Konuk Education and Research Hospital, Bakırkoy, Turkey)

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Jurate Zupkauskiene; Aleksandras Laucevicius, (Faculty of Medicine, Vilnius University, Vilnius, Lithuania)

DETERMINING THE ROLE OF VON WILLEBRAND FACTOR IN THROMBOTIC POST TRANSPLANTATION COMPLICATIONS USING EX VIVO LUNG PERFUSION SYSTEM

Parnian Alavi; Sayed Himmat; Nader Aboelnazar; Max Buchko; Jayan Nagendran; Nadia Jahroudi, (University of Alberta, Edmonton, Canada)

BIOMARKERS OF HEMOSTASIS IN ADVANCED CAROTID ATHEROSCLEROSIS AND CEREBROVASCULAR DISEASE

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HYBRID CORONARY REVASCULARIZATION VERSUS CONVENTIONAL CORONARY ARTERY BYPASS GRAFTING AND MORTALITY IN PATIENTS WITH CORONARY ARTERY DISEASE: A META-ANALYTIC SYNTHESIS

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META-ANALYTIC SYNTHESIS ON RESTRICTIVE AND LIBERAL RED BLOOD CELL TRANSFUSION IN CARDIAC SURGERY PATIENTS: EVIDENCE FROM RANDOMIZED CONTROLLED TRIALS

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COVID ASSOCIATED HEMOSTATIC ABNORMALITY: MANIFESTATION AS MID POPLITEAL ARTERY STENOSIS: A RARE CASE REPORT

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THROMBOEMBOLIC COMPLICATIONS IN COVID-19 CLINICAL CASE

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COVID-19 VACCINATION ASSOCIATED SEVERE IMMUNE THROMBOCYTOPENIA: A CASE REPORT

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DE-ESCALATION OF DUAL ANTIPLATELET THERAPY AFTER PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH ACUTE CORONARY SYNDROME

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THROMBOTIC AND THROMBOEMBOLIC EVENTS IN COVID-19 PATIENTS: ASSOCIATION WITH CLINICAL PRESENTATION, PROGRESSION AND LABORATORY FINDINGS. DATA ANALYSIS OF A 681 PATIENT COHORT

Angelos Liontos[1]; Dimitrios Biros[1]; Stavros Tsourlos[1]; Lazaros Athanasiou[1]; Orestis Milionis[1]; Alexandros Papathanasiou[1]; Cornelia Veliani[1]; Nikolaos-Gavriil Kolios[1]; Christiana Pappa[1]; Valentini Samanidou[1]; George Siopis[1]; Eleni Pargana[1]; Maria Nasiou[1]; Stavros-Periklis Anagnostopoulos[1]; Nikol-Natalia Armata[1]; Aikaterini Poulopoulou[1]; Sempastien Filippas-Ntekouan[1]; Eleftherios Klouras[1]; Maria Christaki[1]; Iro Rapti[1]; Maria Kosmidou[1]; Aikaterini Panteli[1]; Fotios Barkas[2]; George Papamichael[1]; Ilias Tsiakas[1]; Ioannis Vagias[1]; Evangelos Liberopoulos[3]; Eirini Christaki[1]; Haralampos Milionis[1], ([1]UNIVERSITY HOSPITAL OF IOANNINA, IOANNINA, Greece, [2]Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannnina, Greece, [3]National and Kapodistrian University of Athens, Athens, Greece)

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Jostein Nordeng[1]; Ragnhild Helseth[2]; Sissel Åkra[3]; Pavel Hoffman[4]; Hossein Schandiz[5]; Borghild Roald[6]; Bjørn Bendz[6]; Harald Arnesen[6]; Svein Solheim[3]; Ingebjørg Seljeflot[3], ([1] Røyse, Norway, [2]Center for Clinical Heart Research, Oslo, Norway, [3]Center for Clinical Heart Research, Oslo University Hospital Ullevål, Norway, Oslo, Norway, [4]Section for Interventional Cardiology, Oslo University Hospital Ullevål, Oslo, Norway, [5]Akershus University Hospital, Nordbyhagen, Norway, [6]University of Oslo, Oslo, Norway)

RISK FACTORS OF DEEP VEIN THROMBOSIS IN COVID-19 PATIENTS.

Maria Tripoten; Olga Pogorelova; Tatiana Balakhonova, (National Medical Research Center of Cardiology, Moscow, Russian Federation)

273 - ASSOCIATION OF LIPID INDICATORS WITH BLOOD COAGULATION PARAMETERS IN PATIENTS WITH CORONARY ARTERY DISEASE

Olesya Rubanenko; Anatoly Rubanenko; Igor Davydkin, (Samara State Medical University, Samara, Russian Federation)

SKIN MANIFESTATIONS AS POTENTIAL SYMPTOMS OF DIFFUSE VASCULAR INJURY IN CRITICAL COVID-19 PATIENTS

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274 - CLOPIDOGREL EFFICACY AFTER PERCUTANEOUS CORONARY INTERVENTIONS CONSIDERING WITH CYP2C19 GENETIC POLYMORPHISMS IN PATIENTS WITH CORONARY HEART DISEASE

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275 - GENETIC VARIATION IN ADAMTS13 ARE RELATED TO VWF LEVELS, ATRIAL FIBRILLATION AND CEREBRAL ISCHEMIC EVENTS

Ellen Mathea Kirsch Warlo[1]; Vibeke Bratseth[2]; Alf-Åge Pettersen[2]; Harald Arnesen[3]; Ingebjørg Seljeflot[4]; Trine Opstad[4], ([1]Center for Clinical Heart Research, Ullevaal, Oslo, Norway, [2]Center for Clinical Heart Research, Oslo, Norway, [3]University of Oslo, Oslo, Norway, [4]Center for Clinical Heart Research, Oslo University Hospital Ullevål, Norway, Oslo, Norway)

CLINICAL-CLUSTER AND BIOMARKER HETEROGENEITY IN MULTIFOCAL ATHEROSCLEROSIS

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IS INITIAL CORONARY DILATATION A RISK FACTOR FOR PERSISTENT VASCULAR RISK IN LONG-TERM FOLLOW-UP OF OLD KAWASAKI DISEASE PATIENTS?

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IMPACT OF SGLT 2 INHIBITORS ON ENDOTHELIAL DYSFUNCTION IN PATIENTS WITH DIABETES MELLITUS TYPE II

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TYPE 2 DIABETES, HFPEF, AND ENDOTHELIAL DYSFUNCTION: AN OBSERVATIONAL STUDY

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DYSLIPIDEMIA AND THE CLINICAL MANIFESTATIONS OF ATHEROSCLEROSIS IN THE ELDERLY

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IMPARED METABOLISM OF VEGF-A, HGF, IGF-1, G-CSF AND GM-CSF IN THE PROGRESSION OF OBESITY IN PATIENTS WITH GOUT

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COMPARISON OF CARDIOVASCULAR RISK IN IDIOPATHIC INFLAMMATORY MYOPATHY WITH GENERAL POPULATION – PRELIMINARY DATA FROM A SINGLE-CENTRE CROSS-SECTIONAL STUDY

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FLOW-MEDIATED DILATION OF THE BRACHIAL ARTERY IN PATIENTS WITH OBESITY AFTER COVID-19

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VASCULAR ENDOTHELIAL FUNCTION AS AN EARLY SIGN OF VASCULAR AGEING IN PATIENTS WITH METABOLIC SYNDROME

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MRI OF THE AORTA WALL IN EARLY ASSESS REMODELING AND ENDOTHELIAL DYSFUNCTION IN PATIENTS WITH CORONARY ARTERY DISEASE AND DIABETES MELLITUS

Nadezhda Ryumshina[1]; Olga Koshelskaya[1]; Irina Kologrivova[1]; Anna Sukhareva[1]; Olga Mochula[1]; Aleksandra Maksimova[2]; Olga Kharitonova[1]; Wladimir Ussov[2], ([1]Tomsk National Research Medical Center of Russian Academy of Sciences, Tomsk, Russian Federation, [2]Tomsk National Research Medical Center, Tomsk, Russian Federation)

276 - VARIABLE ASSOCIATION OF ANGPTL3 AND ANGPTL4 WITH VASODILATOR DYSFUNCTION IN DIFFERENT OBESE PHENOTYPES

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THE ASSOCIATION BETWEEN IRISIN AND PULSE WAVE VELOCITY IN OBESE PATIENTS WITH ISCHEMIC HEART DISEASE

Borys Shelest; Yuliia Kovalova, (Kharkiv National Medical University, Kharkiv, Ukraine)

277 - EFFECTS OF AN ISOENERGETIC MULTIFACTORIAL DIET ON PANCREATIC FAT AND INSULIN SECRETION IN PATIENTS WITH TYPE 2 DIABETES: A RANDOMIZED CONTROLLED TRIAL.

Giuseppe Della Pepa[1]; Giuseppina Costabile[1]; Dominic Salamone[1]; Valentina Brancato[2]; Serena Monti[3]; Marco Salvatore[2]; Paola Cipriano[1]; Marilena Vitale[1]; Gabriele Riccardi[4]; Angela Albarosa Rivellese[4]; Giovanni Annuzzi[1]; Lutgarda Bozzetto[1], ([1]University of Naples Federico II, Naples, Italy, [2]IRCCS, Naples, Italy, [3]CNR, Naples, Italy, [4] , Italy)

278 - TITLE: ROLE OF NAFLD-ASSOCIATED GENETIC VARIANTS ON RENAL FUNCTION IN PATIENTS WITH NONALCOHOLIC FATTY LIVER DISEASE

Alessia Di Costanzo[1]; Francesco Baratta[2]; Laura D'Erasmo[1]; Ilaria Umbro[2]; Alessandra Colantoni[2]; Nicholas Cocomello[3]; Daniele Pastori[3]; Marcello Arca[2]; Francesco Angelico[3]; Maria Del Ben[2], ([1]Sapienza University of Rome, Roma, Italy, [2]Sapienza University of Rome, Rome, Italy, [3]Sapienza - University of Rome, Roma, Italy)

279 - IN PATIENTS WITH NON-ALCOHOLIC FATTY LIVER DISEASE, LIVER STIFFNESS DIRECTLY CORRELATES WITH THE CAROTID PLAQUE BURDEN

Alla Kuznetsova; Anna Selyanina; Gusel Khusainova; Anastasiya Dolgushina; Igor Shaposhnik; Vadim Genkel, (South-Ural State Medical University, Chelyabinsk, Russian Federation)

FIBROSIS-4 INDEX AND ADVANCED LIVER FIBROSIS AS RISK FACTOR FOR LONG-TERM OUTCOMES IN AF-RELATED STROKE

Jin-Man Jung[1]; Woo-Keun Seo[2]; Tae-Hyung Kim[3]; Seong-Young Kim[3], ([1]Korea University, Ansan, Korea, Republic of, [2]Samsung Medical Center, Seoul, Korea, Republic of, [3]Korea University Ansan Hospital, Ansan, Korea, Republic of)

NAFLD, PANCREATIC STEATOSIS AND ATHEROSCLEROTIC PROCESS

Kateryna Pivtorak; Iryna Fedzhaga; Natalia Pivtorak, (National Pirogov Memorial Medical University, Vinnytsia, Ukraine)

URINARY EXTRACELLULAR VESICLES SHOW EARLY CARDIORENAL RISK WITHIN THE STRATIFIED NORMOALBUMINURIA CONDITION

Miriam Anfaiha Sánchez[1]; Aranzazu Santiago-Hernandez[2]; Juan Lopez[3]; Fernando De La Cuesta[4]; Ariadna Martin-Blazquez[5]; Jesus Vazquez[3]; Gema Ruiz-Hurtado[6]; Maria G Barderas[7]; Julian Segura[6]; Luis Ruilope[6]; Marta Martin-Lorenzo[1]; Gloria Alvarez-Llamas[2], ([1]FIIS- Fundación Jiménez Díaz,

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QUALITY OF LIFE IN OLDER PATIENTS WITH OBESITY AND CHRONIC KIDNEY DISEASE

Elena Efremova; Alexander Shutov; Alexey Semenov; Ksenia Yafarkina, (Ulyanovsk State University, Ulyanovsk, Russian Federation)

STRUCTURAL AND FUNCTIONAL FEATURES AND RHYTHM VARIABILITY IN OLDER PATIENTS WITH CARDIOVASCULAR DISEASE AND CHRONIC KIDNEY DISEASE

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RELATIONSHIPS BETWEEN BIOMARKERS OF HYPOXIA AND INFLAMMATION IN ELDERLY PATIENTS WITH CHRONIC CARDIORENAL SYNDROME

Elena Efremova; Alexander Shutov, (Ulyanovsk State University, Ulyanovsk, Russian Federation)

OBESITY AND PROGNOSIS IN OLDER PATIENTS WITH CARDIOVASCULAR COMORBIDITY AND CHRONIC KIDNEY DISEASE

Elena Efremova; Alexander Shutov, (Ulyanovsk State University, Ulyanovsk, Russian Federation)

MALNUTRITION AND COMORBIDITY IN OLDER PATIENTS WITH CHRONIC KIDNEY DISEASE

Elena Efremova; Alexander Shutov; Ksenia Yafarkina; Alexey Semenov, (Ulyanovsk State University, Ulyanovsk, Russian Federation)

280 - INTRAVASCULAR LITHOTRIPSY: A NEW WAY TO TREAT CALCIFIED RADIAL ARTERIES IN NON-FUNCTIONING PERIPHERAL FISTULAS FOR DIALYSIS

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281 - BENEFICIAL EFFECTS OF PENTOXIFYLLINE IN THE EVOLUTION OF SUBCLINICAL ATHEROSCLEROSIS IN CHRONIC KIDNEY DISEASE PATIENTS

Carla Ferri[1]; Javier Donate-Correa[2]; Ernesto Martín-Núñez[2]; Nayra Pérez-Delgado[2]; Carmen Mora-Fernández[2]; Ainhoa González Luis[3]; Alberto Martín Olivera[2]; Juan Navarro-González[2], ([1]Nuestra Señora de Candelaria Hospital, Santa Cruz de Tenerife, Spain, [2]Hospital Universitario Nuestra Señora de Candelaria, Santa Cruz de Tenerife, Spain, [3]Universidad de La Laguna, San Cristóbal de La Laguna, Spain)

282 - LEFT VENTRICULAR HYPERTROPHY IN CHRONIC KIDNEY DISEASE

Antonina Giammanco[1]; Giuseppe Mulè[1]; Angelo Baldassare Cefalù[1]; Davide Noto[1]; Alessandro Mattina[2]; Giulio Geraci[1]; Chiara Nardi[1]; Maurizio Averna[1]; Emilio Nardi[3], ([1]University of Palermo, Palermo, Italy, [2]Diabetes and Islet Transplantation Unit, Department of Diagnostic and Therapeutic Services, IRCCS-ISMETT, Palermo, Italy, [3]Azienda ospedaliera universitaria Policlinico Palermo, Palermo, Italy)

Glp-1 analogue ameliorates nicotin-induced renal vascular injury

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SERUM MALONDIALDEHYDE-MODIFIED LOW-DENSITY LIPOPROTEIN LEVEL IS A RISK FACTOR FOR PERIPHERAL ARTERY DISEASE IN PATIENTS WITH STAGE 3 TO 5 CHRONIC KIDNEY DISEASE

Chiu-Huang Kuo; Chih-Hsien Wang; Bang-Gee Hsu, (Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Hualien, Taiwan)

IMPACT OF THE DURATION OF PROGRAM HEMODIALYSIS AND HEART FAILURE ON THE PATTERN OF LIPID PROFILE IN PATIENTS WITH END-STAGE CHRONIC KIDNEY DISEASE

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PSORIATIC NEPHROPATHY: A HISTOPATHOLOGICAL UPDATE

Liliya Volos, (Danylo Halytsky Lviv National Medical University, Lviv, Ukraine)

DECREASE SERUM ANTI-OXLDL ANTIBODY IS AN INDEPENDENT MARKER OF PERIPHERAL ARTERIAL DISEASE IN PERITONEAL DIALYSIS PATIENTS

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LIPOPROTEIN(A) ASSOCIATED WITH ARTERIAL STIFFNESS BY CARDIO-ANKLE VASCULAR INDEX IN PERITONEAL DIALYSIS PATIENTS

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283 - THE RELATION OF MTOR WITH DIABETIC COMPLICATIONS AND INSULIN RESISTANCE IN PATIENTS WITH TYPE 2 DIABETES MELLITUS

Ali Abdel Rehim[1]; Kamel Rohoma[2]; Reham A.Elwafa[1]; Hossam Dabees[2]; Noha Amin[3], ([1]University Of Alexandria-Faculty Of Medicine, alexandria, Egypt, [2]University Of Alexandria-Faculty Of Medicine-Unit Of Diabetes,Lipidology & Metabolic Disease, alexandria, Egypt, [3]faculty of medicine alexandria University, alexandria, Egypt)

THE ASSOCIATION OF IDEAL CARDIOVASCULAR HEALTH METRICS AND INCIDENT TYPE 2 DIABETES MELLITUS AMONG AN URBAN POPULATION OF IRANY

Samaneh Asgari; Soroush Masrouri; Fereidoun Azizi; Farzad Hadaegh, (Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran)

UTILIZATION OF BOTH IRISIN AND APELIN IN PREDICTION OF HEART FAILURE WITH PRESERVED EJECTION FRACTION IN TYPE 2 DIABETES MELLITUS PATIENTS

Alexander Berezin[1]; Ivan Fushtey[2], ([1]Zaporozhye State Medical University, Zaporozhye, Ukraine, [2]Zaporozhye Medical Academy of Postgraduating Education, Zaporozhye, Ukraine)

SYSTOLIC BLOOD PRESSURE, MEDIATED BY ARTERIAL STIFFNESS, IS ASSOCIATED WITH CAROTID INTIMA-MEDIA THICKNESS IN WOMEN BUT NOT MEN WITH TYPE 2 DIABETES MELLITUS

Ying Jie Chee; Rinkoo Dalan, (Tan Tock Seng Hospital, Singapore, Singapore)

RACIAL DIFFERENCES IN OXIDATIVE STRESS INDEX IN DIABETES ENRICHED MULTIETHNIC POPULATION OF SINGAPORE

Rinkoo Dalan, (Tan Tock Seng Hospital, Singapore, Singapore)

284 - IMPACT OF TYPE-2 DIABETES MELLITUS ON EXPRESSION OF ATP-SENSITIVE POTASSIUM CHANNEL SUBUNITS IN HUMAN BYPASS GRAFTS

Jovana Rajkovic[1]; Milos Gostimirovic[1]; Miodrag Peric[2]; Jelena Stanisic[3]; Radmila Novakovic[1]; Vladimir Djokic[1]; Snezana Tepavcevic[3]; Jelena Rakocevic[4]; Milica Labudovic-Borovic[4]; Helmut Heinle[5]; Ljiljana Gojkovic-Bukarica[1], ([1]Institute of Pharmacology, Clinical Pharmacology and Toxicology, Medical Faculty,

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MUSCLEBLIND-LIKE (MBNL) PROTEIN FAMILY OVEREXPRESSION LEAD TO PRO-SYNTHETIC PHENOTYPE MODULATION OF ARTERIAL HUMAN VASCULAR SMOOTH MUSCLE CELLS IN DIABETES MELLITUS

Mario Ihsan[1]; Damian Tan[2]; Umamaheswari Muniasamy[3]; Mei Shan Ong[3]; Xiao Yun Lin[4]; Chuen Neng Lee[4]; Rajkumar Dorajoo[5]; Vitaly Sorokin[4], ([1]NATIONAL UNIVERSITY OF SINGAPORE, SINGAPORE, Singapore, [2]Temasek Polytechnic, Singapore, Singapore, [3]National University of Singapore, Singapore, Singapore, [4]National University Health System, Singapore, Singapore, [5]Agency for Science, Technology and Research (A*STAR), Singapore, Singapore)

285 - URSOLIC ACID REDUCES NADPH OXIDASE EXPRESSION AND ENSUING OXIDATIVE STRESS IN DIABETIC KIDNEY

Alexandra Lazar[1]; Mihaela Loredana Vlad[1]; Adrian Manea[2]; Laura Olariu[3]; Simona-Adriana Manea[2], ([1]Institute of Cellular Biology and Pathology Nicolae Simionescu, Bucharest, Romania, [2]Institute of Cellular Biology and Pathology 'Nicolae Simionescu', Bucharest, Romania, [3]Biotehnos SA, Bucharest, Romania, Bucharest, Romania)

286 - CYSTATIN C PREDICTS INCIDENT DIABETES IN ANGIOGRAPHIED CORONARY PATIENTS

Arthur Mader[1]; Lukas Sprenger[1]; Alexander Vonbank[1]; Barbara Larcher[1]; Maximilian Maechler[1]; Valentin Grabher[2]; Andreas Leiherer[2]; Axel Muendlein[2]; Heinz Drexel[2]; Christoph Saely[3], ([1]Academic Teaching Hospital Feldkirch, Feldkirch, Austria, [2]Vorarlberg Institute for Vascular Investigation & Treatment (VIVIT), Feldkirch, Austria, [3]Private University of the Principality of Liechtenstein, Triesen, Liechtenstein)

287 - TYPE 2 DIABETES AND RISK OF MAJOR CARDIOVASCULAR EVENTS IN PERIPHERAL ARTERY DISEASE VERSUS CORONARY ARTERY DISEASE PATIENTS

Christoph Saely[1]; Alexander Vonbank[2]; Barbara Larcher[2]; Arthur Mader[2]; Maximilian Maechler[2]; Lukas Sprenger[2]; Valentin Grabher[3]; Andreas Leiherer[3]; Axel Muendlein[3]; Heinz Drexel[3], ([1]Private University of the Principality of Liechtenstein, Triesen, Liechtenstein, [2]Academic Teaching Hospital Feldkirch, Feldkirch, Austria, [3]Vorarlberg Institute for Vascular Investigation & Treatment (VIVIT), Feldkirch, Austria)

THE IMPORTANCE OF BETA-BLOCKER TREATMENT IN DIABETIC HYPERTENSIVE PATIENTS WITH DIFFERENT DIPPER PATTERNS, IN SPECIAL ON THE NOCTURNAL NON-DIPPER PROFILE.

Viorel Manea[1]; Calin Pop[2]; Lavinia Pop[2]; Mircea Popescu[3], ([1]1.SC MANXMED SRL-Cardiology and occupational medicine ; 2.Private medical cabinet: Dr.Manea Viorel- general medicine-family medicine., Baia Mare, Romania, [2]Emergency County Hospital, Baia Mare, Romania, [3]Emergency Clinical County Hospital, Oradea, Romania)

288 - DIABETIC CARDIAC AUTONOMIC NEUROPATHY: INSULIN RESISTANCE, N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE, ARTERIAL STIFFNESS AND FUNCTIONAL CHANGES OF THE MYOCARDIUM

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AGE-RELATED DIFFERENCE IN THE IMPACT OF DIABETES MELLITUS ON ALL-CAUSE MORTALITY AFTER ACUTE MYOCARDIAL INFARCTION

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PREVALENCE OF HYPERGLYCEMIA AND DIABETES POST HEART TRANSPLANT

Maryam Vasheghani[1]; Fatemeh Kazemi[2]; Zargham Ahmadi[1], ([1]National Research Institute of Tuberculosis and Lung Diseases (NRITLD), Shahid Beheshti University of Medical Sciences, Tehran, Iran, [2]Medical School, Shahid Beheshti University of Medical Sciences, Tehran, Iran)

HISTOLOGICAL FEATURES OF CEREBRAL ISCHEMIC STROKE IN TYPE 2 DIABETES MELLITUS

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DIABETIC MACROVASCULAR COMPLICATIONS OF THE LOWER EXTREMITIES: ULTRASOUND DOPPLEROGRAPHY AND MORPHOLOGICAL DIAGNOSTICS

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ASSOCIATION OF D-DIMER WITH LONG-TERM PROGNOSIS IN TYPE 2 DIABETES MELLITUS PATIENTS WITH ACUTE CORONARY SYNDROME

Bing-Yang Zhou; Qi Zhang; Hong-Liang Cong; Le Wang, (Tianjin Chest Hospital, Tianjin, China)

289 - A CASE OF CERVICAL ARTERY DISSECTION IN A YOUNG WOMAN WITH REPEATED SPONTANEOUS CORONARY ARTERY DISSECTION.

Paola Bigolin[1]; Adriana Visonà[2], ([1]Angiology Unit , Castelfranco Veneto, Italy, [2]Angiology Unit, Castelfranco Veneto, Italy)

290 - ORBITAL ISCHEMIA SYNDROME IN A PATIENT WITH CAROTID ARTERY DISSECTION - CASE REPORT

David Cernik, (Masaryk Hospital, KZ a.s., Ústí nad Labem, Czech Republic)

ACUTE ISCHEMIC STROKE DUE TO MASSIVE ARTERIOVENOUS MALFORMATION: A CASE REPORT

Georgios Filippidis[1]; Margarita Triantafyllou[1]; Ioanna Kiriakouli[1]; Alexandros Nakis[1]; Alexandros Samis[1]; Rea Saiti[1]; Georgios Giannakopoulos[1]; Danae Kavvada[1]; Matina Gkliati[1]; Christos Zafeiriadis[1]; Timos Karousos[1]; Katerina Trachana[2]; Meropi Mousdi[2]; Sofia Pegka[2]; Myrto Skouteli[2]; Stefanos Varvaresos[2]; Georgios Chatzis[1]; Panagiotis Nikolinakos[1]; Sofoklis Bakidis[2], ([1]General hospital of Lakonia, Molaoi, Greece, [2]General Hospital of Molaoi, Lakonia, Molaoi, Greece)

VASCULAR EHLERS-DANLOS SYNDROME (SACK- BARABAS SYNDROME) – MULTIORGANOMULTIVASCULAR DISEASE

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291 - TEMPORAL TRENDS IN MEDICAL CARDIOPROTECTIVE TREATMENT IN PATIENTS WITH ABDOMINAL AORTIC ANEURYSMS: A POPULATION-BASED NATIONAL COHORT STUDY

Chalotte Nicolajsen[1]; Mette Søgaard[2]; Nikolaj Eldrup[3]; Torben Larsen[2]; Samuel Goldhaber[4]; Peter Nielsen[2], ([1]Aalborg University Hospital, Aalborg, Denmark, [2]Aalborg University, Aalborg, Denmark, [3]Rigshospitalet, Copenhagen, Denmark, [4]Brigham and Womens Hospital, Boston, United States of America)

SPECKLE-TRACKING TRANSESOPHAGEAL ECHOCARDIOGRAPHY IN THE MODERATE DILATATION AND ANEURYSM OF THE ASCENDING AORTA: PRELIMINARY RESULTS FROM PROSPECTIVE STUDY

Dmitri Panfilov; Alexander Vrublevsky; Victor Saushkin; Eugene Lilik; Yulia Chernykh; Svetlana Sazonova; Boris Kozlov, (Research Institute for Cardiology, Tomsk, Russian Federation)

INNFLAMMATION-, APOPTOSIS- AND MITOPHAGY-RELATED GENE EXPRESSION IN ANEURISMATIC AND NOB-AFFECTED MEDIAL LAYER OF HUMAN THORACIC AORTA

Igor Sobenin[1]; Petr Chumachenko[1]; Zukhra Khasanova[1]; Anton Postnov[2], ([1]National Medical Research Center of Cardiology, Moscow, Russian Federation, [2]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation)

292 - THE VASA VASORUM DENSITY OF THORACIC AORTA IN THE ANEURISM FORMATION

Anton Postnov[1]; Maryam Bagheri Ekta[1]; Petr Chumachenko[2]; Vasily Sukhorukov[1]; Igor Sobenin[2], ([1]A.P. Avtsyn Research Institute of Human Morphology, Moscow, Russian Federation, [2]National Medical Research Center of Cardiology, Moscow, Russian Federation)

FACTORS ASSOCIATED WITH REBLEEDING AFTER COIL EMBOLIZATION IN PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE

Kum Whang; Jong Choi; Jy Kim, (Wonju Severance Christian Hospital, Wonju, Gangwon-do, Korea, Republic of)

NEUROPROTECTIVE AND ANXIOLYTIC EFFECTS OF DATE SEEDS PHENOLIC COMPOUNDS IN STREPTOZOTOCIN INDUCED DIABETIC RATS: POSSIBLE IMPLICATION OF OXIDATIVE STRESS PATHWAY

Samir Bikri; Youssef Aboussaleh, (ibn tofail university, kenitra, Morocco)

293 - MATERNAL FRUCTOSE INTAKE REINFORCES THE EFFECTS OF A WESTERN-TYPE DIET IN PROMOTING SARS-COV-2 CELL ENTRY FACTORS IN MALE OFFSPRING

Cristina Donis[1]; Elena Fauste[2]; Madeín Pérez[2]; Lourdes Rodríguez[2]; Silvia Rodrigo[2]; Juan J. Álvarez-Millán[3]; Paola Otero[2]; María I. Panadero[2]; Carlos Bocos[2], ([1]Universidad San Pablo CEU, Madrid, Spain, [2]Universidad CEU San Pablo, Madrid, Spain, [3]CQS Lab, Madrid, Spain)

294 - NON-INVASIVE INSTRUMENTAL EVALUATION OF COENZYME Q10 PHYTOSOME ON ENDOTHELIAL REACTIVITY IN HEALTHY NON-SMOKING YOUNG VOLUNTEERS: A DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED CROSS-OVER CLINICAL TRIAL

Federica Fogacci; Antonio Di Micoli; Maddalena Veronesi; Claudio Borghi; Arrigo Cicero, (University of Bologna, Bologna, Italy)

295 - FATTY FISH BUT NOT LEAN FISH CONSUMPTION IS ASSOCIATED WITH REDUCED RISK OF CORONARY HEART DISEASE: A META-ANALYSIS OF PROSPECTIVE COHORT STUDIES

Annalisa Giosuè[1]; Ilaria Calabrese[1]; Gabriele Riccardi[2]; Roberta Lupoli[1]; Olga Vaccaro[1]; Marilena Vitale[1], ([1]University of Naples Federico II, Naples, Italy, [2] , Italy)

296 - AN INNOVATIVE BERBERINE FORMULATION IS ABLE TO IMPROVE BBR BIOAVAILABILITY AND THE LIPID AND GLYCEMIC PROFILE IN HFD-FED MICE.

Maria Giovanna Lupo[1]; Giovanni Panighel[2]; Irene Ferrarese[3]; Elisa Brilli[4]; Germano Tarantino[4]; Stefano Dall'Acqua[3]; Nicola Ferri[5], ([1] , Italy, [2]Università di Padova, PADOVA, Italy, [3]Università di Padova, Padova, Italy, [4]PharmaNutra S.p.A., Siena, Italy, [5]Universitá degli Studi di Padova, Padova, Italy)

THE EFFECTS OF ONE-DAY FASTING IN YOUNG AND MIDDLE-AGE PATIENTS WITH OVERWEIGHT AND OBESITY

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SCREENING AND VALIDATION STRATEGIES FOR NATURAL EXTRACTS AGAINST CARDIOVASCULAR DISEASES: LINGONBERRY AND BLACKBERRY EXTRACTS BENEFICIALLY ACT ON CHOLESTEROL METABOLISM IN-VITRO AND IN-VIVO.

Clemens Röhrl, (University of Applied Sciences Upper Austria, Wels, Austria)

ANTI-INFLAMMATORY AND NEUROPROTECTIVE EFFECTS OF INDIAN GINSENG ON MCAO INDUCED RODENT MODEL OF ISCHEMIC STROKE

Abhilasha Sood[1]; Rajat Sandhir[2], ([1]Chandigarh University, Mohali, India, [2]Panjab University, Chandigarh, India)

297 - DOES LOW GLYCEMIC INDEX DIET SUPERIOR THAN ROUTINE DIET TO CONTROL BLOOD INFLAMMATION STATE AND LIPID PARAMETERS IN PATIENTS WITH CORONARY ARTERY DISEASE?

Jamol Uzokov[1]; Anis Alyavi[1]; Bakhromkhon Alyavi[2]; Djamshid Payziev[3]; Mirvosit Karimov[1]; Dilorom Rakhimova[1]; Daler Orziev[1]; Ibrokhim Madjitov[2], ([1]Republican Specialized Scientific Practical Medical Center of Therapy and Medical Rehabilitation, Tashkent, Uzbekistan, [2]Tashkent Pediatric Medical Institute, Tashkent, Uzbekistan, [3]Republican specialized scientific practical medical center of therapy and medical rehabilitation, Tashkent, Uzbekistan)

298 - EFFECT OF ROUX-EN-Y GASTRIC BYPASS SURGERY ON SUBCLINICAL ATHEROSCLEROSIS, OXIDATIVE STRESS, AND MITOCHONDRIAL DYNAMICS IN LEUKOCYTES OF OBESE PATIENTS: A ONE-YEAR FOLLOW-UP STUDY

Sandra López-Domènech[1]; Zaida Abad-Jiménez[1]; Teresa Vezza[1]; Segundo Gómez-Abril[2]; Celia García-Garballo[1]; Meylin Férnandez[1]; Celia Bañuls[1]; Víctor Víctor[1]; Milagros Rocha[1], ([1]FISABIO-HOSPITAL DR PESET, Valencia, Spain, [2]University Hospital Dr. Peset, Valencia, Spain)

299 - ZINC-ALPHA 2-GLYCOPROTEIN IS ASSOCIATED WITH METABOLIC FEATURES AND BARIATRIC SURGERY OUTCOMES IN PATIENTS WITH MORBID OBESITY

José Ignacio Martínez Montoro[1]; Rocío Soler Humanes[2]; Hanieh Motahari Rad[2]; Andrés González Jiménez[2]; Alba Subiri[2]; Luis Ocaña[2]; Eduardo García Fuentes[3]; Francisco J Tinahones[2]; Lourdes Garrido Sánchez[2]; Mora Murri[2], ([1]Virgen de la Victoria University Hospital , Málaga, Spain, [2]Virgen de la Victoria University Hospital, Málaga, Spain, [3]5CIBER Fisiopatología de la Obesidad y Nutrición (CIBEROBN), Madrid, Spain)

300 - ASSESSMENT OF ADHERENCE TO STATIN THERAPY USING URINE ANALYSIS IN PATIENTS ATTENDING SPECIALIZED LIPID OUT PATIENT CLINIC

Khamis Al Hashmi[1]; Abdullah Al Ani[1]; Yousif Al Suleimani[2]; Khalid Al Rasadi[1]; Khalid Al Waili[2]; Fahad Zadjali[3]; Mohammed Al Zaabi[1], ([1]College of Medicine and Health Sciences, Muscat, Oman, [2]SQUH: Sultan Qaboos University Hospital, Muscat, Oman, [3]SULTAN QABOOS UNIVERSITY, Khodh, Oman)

THERAPEUTIC APHERESIS IN FAMILIAL COMBINED HYPERLIPIDEMIA AND PREGNANCY – A CASE REPORT AND REVIEW OF LITERATURE

Urtė Aliošaitienė[1]; Goda Jackute[2]; Gabriele Jaskeviciute[2]; Žaneta Petrulionienė[1]; Egle Skiauteryte[1]; Dovile Gabartaite[2]; Emilija Meskene[1]; Jurate Barysiene[1], ([1]Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania, [2]Vilnius University, Vilnius, Lithuania)

301 - EFFECTS OF PATIENT CHARACTERISTICS ON VOLANESORSEN EFFICACY: SUBGROUP ANALYSIS OF APPROACH

Joseph Witztum[1]; Daniel Gaudet[2]; Steven Freedman[3]; Veronica Alexander[4]; Marcello Arca[5]; Erik Stroes[6]; Jean Bergeron[7]; Handrean Soran[8]; Fernando Civeira[9]; Sotirios Tsimikas[10]; Dirk Blom[11]; Eric Bruckert[12], ([1] San Diego, United States of America, [2]Universite de Montreal, Chicoutimi, Canada, [3]Beth Israel Deaconess Medical Center, Boston, United States of America, [4]Ionis Pharmaceuticals, Inc., Carlsbad, United States of America, [5]Sapienza University of Rome, Rome, Italy, [6] , Netherlands, [7]Centre Hospitalier Universitaire de Québec–Université Laval, Quebec, Canada, [8]Manchester University Hospital NHS Foundation Trust, Manchester, United Kingdom, [9]Instituto de Investigación Sanitaria Aragón,

Zaragoza, Spain, [10]UCSD, La Jolla, United States of America, [11]University of Cape Town, Cape Town, South Africa, [12] , France)

A NEW CLINICAL DECISION SUPPORT SYSTEM BASED ON PERSONALIZED EVIDENCE-BASED MEDICINE IN LIPID LOWERING THERAPIES

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302 - PREDICTING INDIVIDUAL RISK OF MUSCLE DISORDERS IN PATIENTS ELIGIBLE FOR STATIN TREATMENT: STRATIFY-STATINMD MODEL DERIVATION USING DATA FROM ELECTRONIC HEALTH RECORDS

Ting Cai; Constantinos Koshiaris; Jennifer Hirst; F.D. Richard Hobbs; Richard Mcmanus; James Sheppard, (University of Oxford, Oxford, United Kingdom)

303 - PCSK9 ASSOCIATION WITH LDL: EFFECTS OF ANTI-PCSK9 MABS THERAPY.

Laura Canclini[1]; Andrea Baragetti[2]; Najoua Jabnati[2]; Amir Malvandi[3]; Liliana Grigore[4]; Alberico L. Catapano[5], ([1]University of Milan, Milano, Italy, [2]University of Milan, Milan, Italy, [3]MultiMedica, Milano, Italy, [4]Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS) Multimedica Hospital, Milan, Italy, [5]university of Milan, Milan, Italy)

304 - STATINS IN SEVERE HYPERCHOLESTEROLEMIC PATIENTS: GENDER AND CARDIOVASCULAR EVENTS GAPS

Pablo Corral[1]; Laura Schreier[2]; Facundo Blautzic[3]; Benjamin Saenz[3]; Agustina Corral[3]; María Gabriela Matta[3], ([1] , Argentina, [2]Lipids and Atherosclerosis Laboratory, Faculty of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina, [3]FASTA University, Mar del Plata, Argentina)

HIGH-DOSE PITAVASTATIN DID NOT INCREASE THE RISK OF NEW-ONSET DIABETES DURING A 3-YEAR FOLLOW-UP

Soon Jun Hong, (Korea University Anam Hospital, Seoul, Korea, Republic of)

305 - BILE ACID MALABSORPTION – A NOVEL INDICATION FOR PCSK9 INHIBITOR THERAPY: 3 CASES FROM A LIPID CLINIC

Eun Ji Kim[1]; Anthony Wierzbicki[2]; Martin Crook[2]; Jamal Williams[2]; Zofia Mcmahon[2]; Oluwayemisi Esan[2], ([1]5th floor, North Wing, New Malden, United Kingdom, [2]5th floor, North Wing, St Thomas hospital, LONDON, United Kingdom)

306 - META-ANALYSIS ON COMPARISON OF EFFICACY AND TOLERABILITY OF ROSUVASTATIN 5 MG/EZETIMIBE 10 MG VERSUS ROSUVASTATIN 20 MG MONOTHERAPY

Sang-Hak Lee, (Yonsei University College of Medicine, Seoul, Korea, Republic of)

REAL-WORLD DATA ON THE COMPARISON OF LDL-C LOWERING EFFECTS BETWEEN ALIROCUMAB AND EVOLOCUMAB

Dai-Yi Lin[1]; Chia-Ling Tsai[1]; Jen-Yu Chuang[1]; Chih-Hung Liang[2]; Yi-Han Chen[3]; Ya-Hui Chang[1]; Hung-I Yeh[1]; Chao-Feng Lin[1], ([1]MacKay Memorial Hospital, Taipei, Taiwan, [2] New Taipei City, Taiwan, [3]Taipei Medical University, Taipei, Taiwan)

ASSOCIATION OF VITAMIN D SUPPLEMENTATION WITH STATIN-ASSOCIATED MUSCLE SYMPTOMS: A SYSTEMATIC REVIEW

Chong Boon Teo[1]; Pek Yan Tan[1]; Ryan Yong Kiat Tay[1]; Joan Khoo[2]; Wann Jia Loh[2], ([1]National University of Singapore, Singapore, Singapore, [2]Changi General Hospital, Singapore, Singapore)

307 - DECIPHERING THE MOLECULAR MECHANISMS UNDERLYING THE INCREASE IN PCSK9 PLASMA LEVELS IN RESPONSE TO ANTI-PCSK9 MABS: IN VITRO STUDY IN HUMAN HEPATOMA-DERIVED HUH7 CELLS

Maria Giovanna Lupo[1]; Giovanni Panighel[2]; Irene Ferrarese[3]; Francesca Zimetti[4]; Maria Pia Adorni[4]; Stefano Dall'Acqua[3]; Nicola Ferri[5], ([1] , Italy, [2]Università di Padova, PADOVA, Italy, [3]Università di Padova, Padova, Italy, [4]University of Parma, Parma, Italy, [5]Universitá degli Studi di Padova, Padova, Italy)

REAL WORLD EFFICACY OF BEMPEDOIC ACID IN STATIN-INTOLERANT PATIENTS WITH HIGH CARDIOVASCULAR RISK

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VULNERABLE ATHEROMATOUS PLAQUE STABILIZATION USING EXTRACORPOREAL SHOCK WAVE- MEDIATED SONOPORATION THERAPY- ASSISTED HDL AND ATORVASTATIN COMBINATION THERAPY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

EFFICACY AND SAFETY OF EVOLOCUMAB IN CHINESE PATIENTS WITH PRIMARY HYPERCHOLESTEROLEMIA AND MIXED DYSLIPIDEMIA: PRIMARY RESULTS OF THE HUA TUO _ CLINICAL TRIAL

Hong Tan[1]; Weimin Li[2]; Zhouqing Huang[3]; Yajun Han[4]; Xuecheng Huang[5]; Dongye Li[4]; Xiaochun Xing[6]; Maria Laura Monsalvo[7]; You Wu[7]; Jackie Mao[8]; Lily Xin[8]; Jiyan Chen[9], ([1]Guangdong Provincial People's Hospital, Guangzhou, China, [2]哈尔滨医科大学第一附属医院, Harbin, China, [3]温州医科大学附属第一医院, Wenzhou, China, [4]内蒙古自治区人民医院, Huhehaote, China, [5]The Second Nanning People's Hospital, Nanning, China, [6]Tianjin Forth Central Hospital, Tianjin, China, [7]Amgen, Thousand Oaks, United States of America, [8]Amgen, Shanghai, China, [9]Guangdong Provincial Hopital, Guangzhou, China)

308 - ROLE OF PHYSICIANS' MISPERCEIVED CARDIOVASCULAR RISK AND THERAPEUTIC INERTIA IN LDL-CHOLESTEROL TARGETS ACHIEVEMENT IN DIABETES

Mario Luca Morieri[1]; Olga Lamacchia[2]; Enzo Manzato[1]; Andrea Giaccari[3]; Angelo Avogaro[1], ([1]University of Padova, Padova, Italy, [2]University of Foggia, Foggia, Italy, [3]Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy)

EVALUATION OF THE EFFECT OF LONG-TERM LIPID-LOWERING THERAPY ON THE DYNAMICS OF REGIONAL ARTERIAL STIFFNESS IN PATIENTS WITH PRIMARY ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION

Valentin Oleynikov; Irina Matrosova; Natalia Borisova; Nadezhda Burko; Marina Lukyanova, (Penza State University, Penza, Russian Federation)

ACHIEVEMENT OF THE TARGET LEVEL OF LDL CHOLESTEROL AND PLEIOTROPIC EFFECTS OF HIGH-DOSE ATORVASTATIN THERAPY IN PATIENTS WITH PRIMARY MYOCARDIAL INFARCTION

Luidmila Salyamova; Olga Kvasova; Karina Korenkova; Kristina Polezhaeva; Valentin Oleynikov, (Penza State University, Penza, Russian Federation)

DYNAMICS OF THE LIPID PROFILE IN POSTINFARCTION PATIENTS DURING HIGH-DOSE THERAPY WITH ATORVASTATIN

Valentin Oleynikov; Elena Averyanova; Yulia Barmenkova; Alena Golubeva; Anastasia Oreshkina, (Penza State University, Penza, Russian Federation)

EFFECT OF EFFECTIVE LIPID-LOWERING THERAPY ON POSTINFARCTION CARDIAC REMODELING

Alena Golubeva; Vera Galimskaya; Anastasia Babina; Natalia Donetskaya; Nadezhda Burko; Valentin Oleynikov, (Penza State University, Penza, Russian Federation)

309 - STATIN USE AND RISK OF DEMENTIA AND ALZHEIMER'S DISEASE: A META-ANALYSIS OF OBSERVATIONAL STUDIES

Elena Olmastroni[1]; Federica Galimberti[2]; Marta Gazzotti[1]; Alberto Zambon[3]; Alberico L. Catapano[4]; Manuela Casula[1], ([1]University of Milan, Milan, Italy, [2]University of Milan and Multimedica IRCCS, Milan, Italy, [3]University of Padua, Padua, Italy, [4]university of Milan, Milan, Italy)

EFFECT OF PCSK9 INHIBITORS ON CARDIO-ANKLE VASCULAR INDEX IN FAMILIAL HYPERCHOLESTEROLEMIA SUBJECTS

Arman Postadzhiyan; Ivailo Tzvetkov; Lora Andreeva; Bojidar Finkov; Vassil Velchev, (Saint Anna University Hospital, Cardiology Departement, Sofia, Bulgaria)

310 - LPA GENOTYPES AND HAPLOTYPES INFLUENCE LIPOPROTEIN(A) LEVELS BUT NOT ARTERIAL WALL PROPERTIES, IN STABLE POST-CORONARY EVENT PATIENTS WITH VERY HIGH LIPOPROTEIN(A) LEVELS

Andreja Rehberger Likozar[1]; Ales Blinc[1]; Katarina Trebušak Podkrajšek[2]; Miran Sebestjen[1], ([1]UMC Ljubljana, Ljubljana, Slovenia, [2]University Children's Hospital, UMC Ljubljana, Ljubljana, Slovenia)

311 - EVINACUMAB REDUCES REMNANT CHOLESTEROL IN PATIENTS WITH HYPERCHOLESTEROLEMIA OR HYPERTRIGLYCERIDEMIA

Robert Rosenson[1]; Daniel Rader[2]; Shazia Ali[3]; Poulabi Banerjee[3]; Jennifer Mcginniss[3]; Robert Pordy[3], ([1]Icahn School of Medicine at Mount Sinai, New York, United States of America, [2]Perelman School of Medicine, University of Pennsylvania, Philadelphia, United States of America, [3]Regeneron Pharmaceuticals, Inc., Tarrytown, United States of America)

312 - THE CHALLENGE OF LIPID-MODIFYING THERAPIES IN THE ACHIEVEMENT OF OPTIMAL LDL-C LEVELS IN HIGH AND VERY HIGH CV RISK PATIENTS: STILL AN OPEN QUESTION

Ilaria Rossi[1]; Damiano D'Ardes[2]; Benedetta Bucciarelli[3]; Francesco Bianco[3]; Fabio Troiano[2]; Paola Vizzarri[2]; Margherita Caporale[2]; Francesco Cipollone[2]; Marco Bucci[2], ([1]Universitá di Padova, Padova, Italy, [2]G. D'Annunzio University of Chieti, Chieti, Italy, [3]Azienda Ospedaliero-Universitaria "Ospedali Riuniti", Ancona, Italy, Ancona, Italy)

EFFECTIVITY, SAFETY AND ADHERENCE WITH PCKS9 INHIBITORS

Meritxell Royuela[1]; M. Pilar Alonso[2]; Antònia Balet[2]; Omar El Boutrouki[2]; Mariona Bonet[2]; Domingo Ruiz[2], ([1]ALTHAIA. Xarxa assistencial Universitària de Manresa, Manresa, Spain, [2]ALTHAIA. Xarxa assistencial universitària de Manresa, Manresa, Spain)

313 - NEW DATA OF THE TREATMENT WITH BEMPEDOIC ACID IN CLINICAL ROUTINE

Friederike Schumann; Elisabeth Steinhagen-Thiessen; Thomas Bobbert; Ursula Kassner, (Charité - Universitätsmedizin Berlin, Berlin, Germany)

BENEFICIAL PLEIOTROPIC EFFECTS OF ATORVASTATIN IN PERITONEAL DIALYSIS PATIENTS withdrawn by author

Natalia Stepanova[1]; Olena Burdeyna[2]; Victoria Driianska[2], ([1]State Institution "Institute of Nephrology National Academy of Medical Science of Ukraine, Kyiv, Ukraine, [2]State Institution "Institute of Nephrology National Academy of Medical Science of Ukraine", Kyiv, Ukraine)

314 - EFFECTS ON LIPIDS AND PHARMACOKINETICS PARAMETERS OF PCSK9 MABS IN A REAL LIFE SETTING HIGH CV RISK PATIENTS

Marco Trevisin[1]; Alberto Zambon[2]; Sabina Zambon[2]; Antonina Giammanco[3]; Angelo Baldassare Cefalù[3]; Maurizio Averna[3]; Maria Giovanna Lupo[4]; Nicola Ferri[5], ([1] Treviso, Italy, [2]University of Padua,

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BLEEDING COMPLICATIONS IN ACUTE CORONARY SYNDROME WITH ST SEGMENT ELEVATION IN THE ELDERLY

Amine Bahloul; Chaima Ghorbel; Selma Charfeddine; Faten Triki; Rania Gargouri; Rania Hammami; Leila Abid, (Hedi Chaker University Hospital, sfax, Tunisia)

ANTITHROMBOTIC THERAPY AND OUTCOMES OF CORONARY ARTERY BYPASS GRAFTING IN PATIENTS WITH CONCOMITANT CAROTID ATHEROSCLEROSIS (ACCORDING TO PROSPECTIVE REGISTER OF LONG-TERM ANTITHROMBOTIC THERAPY REGATA NCT04347200)

Elena Krivosheeva[1]; Andrey Komarov[1]; Damir Galyautdinov[2]; Elina Vlasova[2]; Olga Pogorelova[3]; Renat Akchurin[4]; Elizaveta Panchenko[4], ([1]NATIONAL MEDICAL RESEARCH CENTER OF CARDIOLOGY, Moscow, Russian Federation, [2]NATIONAL MEDICAL CARDIOLOGY RESEARCH CENTER, Moscow, Russian Federation, [3]National Medical Research Center of Cardiology, Moscow, Russian Federation, [4]Federal State Budgetary Institution NATIONAL MEDICAL RESEARCH CENTER OF CARDIOLOGY Ministry of Healt, Moscow, Russian Federation)

EFFECT OF WARFARIN COMBINED WITH B- MODE ULTRASOUND- GUIDED PHOTOMECHANICAL THROMBOLYTIC THERAPY ON ATHEROTHROMBOTIC STENOSIS

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

B- MODE ULTRASOUND- GUIDED HEPARIN- LOADED MICROBUBBLES- MEDIATED SHOCK WAVE THROMBOLYTIC THERAPY OF EMBOLIC ARTERY

Hossein Mehrad[1]; Ali Sultan- Qurraie[2], ([1]Mehrad Research Lab, Tabriz, Iran, [2]University of Washington, Valley Medical Center, Washington, United States of America)

THE IMPACT OF HIGH INTENSITY STATINS LONG TREATMENT FOR RECURRENCE OF ATRIAL FIBRILLATION AFTER SUCCESSFUL CARDIOVERSION.

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NETWORK PHARMACOLOGY-BASED PREDICTION OF ACTIVE INGREDIENTS AND MECHANISMS OF TONGXINLUO AGAINST ACUTE MYOCARDIAL INFARCTION

Meng Hu, (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China)

315 - EX VIVO SERUM TREATMENT WITH MAGNESIUM SULFATE AND EDTA DISODIUM SALT DIHYDRATE ABROGATES CALCIUM- AND PHOSPHATE-INDUCED FORMATION OF CALCIPROTEIN PARTICLES

Daria Shishkova; Victoria Markova; Vera Matveeva; Olga Gruzdeva; Anton Kutikhin, (Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

A SYSTEMATIC REVIEW ON THE EFFECT OF UPADACITINIB ON LIPID PROFILE

Anastasios Makris; Aris Agouridis, (European University Cyprus, Nicosia, Cyprus)

SINOPORPHYRIN SODIUM (DVDMS)- LOADED NANOLIPOSOMES- MEDIATED B-MODE ULTRASOUND- GUIDED SONO- PHOTODYNAMIC COMBINATION THERAPY OF EARLY STAGE ATHEROSCLEROSIS

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TREATMENT OF ADVANCED ATHEROSCLEROSIS WITH CALCIFIED FIBROATHEROMA PLAQUE USING B- MODE ULTRASOUND- GUIDED HIGH- DOSE ATORVASTATIN- LOADED MICROBUBBLES- MEDIATED SHOCK WAVE THERAPY

Hossein Mehrad[1]; Hossein Ahmadi Noubari[2], ([1]Mehrad Research Lab, Tabriz, Iran, [2]University of British Columbia, Vancouver, Canada)

EFFECT OF B-MODE ULTRASOUND- GUIDED EXTRACORPOREAL LOW- LEVEL FOCUSED SONOTHERAPY ON EARLY STAGE ATHEROSCLEROSIS REGRESSION USING COLOR DOPPLER ULTRASONOGRAPHY AND HISTOPATHOLOGY

Hossein Mehrad[1]; Hossein Ahmadi Noubari[2], ([1]Mehrad Research Lab, Tabriz, Iran, [2]University of British Columbia, Vancouver, Canada)

ARGON LASER- MEDIATED THERMAL ANGIOPLASTY OF OCCLUDED ARTERY ACCOMPANIED BY COMBINED ROSE BENGAL AND RIBOFLAVIN- LOADED NANOLIPOSOMES- MEDIATED CATHETER- BASED POLARIZED GREEN LASER PHOTODYNAMIC THERAPY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

EFFECT OF SAFFRON ETHANOLIC EXTRACT ON BODY WEIGHT, LIPID PROFILE AND ATHEROSCLEROTIC LESIONS IN EARLY AND ESTABLISHED ATHEROSCLEROTIC NEW ZEALAND WHITE RABBITS

Iman Nabilah Abd Rahim[1]; Noor Alicezah Mohd Kasim[2]; Effat Omar[2]; Suhaila Abdul Muid[2]; Hapizah Nawawi[3], ([1]Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Malaysia, [2]Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM), Sungai Buloh, Malaysia, [3]Universiti Teknologi MARA Sungai Buloh Campus, SUNGAI BULOH, Malaysia)

A REAL-LIFE CORRELATION BETWEEN METABOLIC SYNDROME AND SEVERITY OF CORONARY ARTERY DISEASE ASSESSED BY SYNTAX SCORE IN NON-DIABETIC PATIENTS UNDERGOING ELECTIVE CORONARY ANGIOGRAPHY

Mohamed Elfeky[1]; Enora Romany Gabra[1]; Mahmoud Abdelnabi[2]; Abdallah Almaghraby[1]; Mostafa Elwany[1]; Mohamed Loutfi[1]; Ahmed Mokhtar Abd El Azeem[1], ([1]Faculty of Medicine Alexandria University, Alexandria, Egypt, [2]Texas Tech University Health Science Center, Lubbock, United States of America)

INFLUENCE OF PERCUTANEOUS CORONARY INTERVENTION ON CLINICAL OUTCOME IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE IMPLANTATION.

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CORONAVIRUS AT THE HEART CENTER OF PUERTO RICO INCIDENCE-DEATH: THE ROLE OF GENETICS

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PROTECTIVE GENES AND EVOLUTION REDUCES THE ATHEROSCLEROTIC PROCESS IN HISPANICS (PUERTO RICO) WHEN COMPARED WITH THE U.S.A. MAINLAND

Pablo Altieri[1]; Nelson Escobales[1]; Luis Barreto[2]; Hector Banchs[2]; Nicole Villar[2]; Francisco Colón[2], ([1]University Of Puerto Rico, Medical Sciences Campus, Humacao, Puerto Rico, [2]University of Puerto Rico, Medical Sciences Campus, San Juan, Puerto Rico)

316 - EARLY CARDIORENAL RISK IS MOLECULARLY EVIDENCED IN HYPERTENSIVE SUBJECTS WITHIN THE NORMOALBUMINURIA CONDITION. NOVEL GLYCOTARGETS FOR CARDIOVASCULAR RISK STRATIFICATION

Aranzazu Santiago-Hernandez[1]; Marta Martin-Lorenzo[2]; Maria Gomez-Serrano[3]; Juan Lopez[3]; Paula Martinez[1]; Jesus Vazquez[3]; Gema Ruiz-Hurtado[4]; Maria Barderas[5]; Julian Segura[4]; Luis Ruilope[4]; Gloria

Alvarez-Llamas[1], ([1]IIS-Fundacion Jimenez Diaz, Madrid, Spain, [2]FIIS- Fundación Jiménez Díaz, Madrid, Spain, [3]CNIC, Madrid, Spain, [4]Hospital 12 de Octubre, Madrid, Spain, [5]Hospital Nacional de Paraplejicos, Toledo, Spain)

PECULIARITIES OF ACUTE CORONARY SYNDROME IN DIABETIC PATIENTS: OBSERVATIONAL STUDY IN THE CARDIOLOGY DEPARTMENT OF NABEUL, TUNISIA.

Amine Bahloul[1]; Amina Lassouad[2]; Zied Belhadj[3]; Rania Gargouri[1]; Rania Hammami[1]; Leila Abid[1], ([1]Hedi Chaker University Hospital, sfax, Tunisia, [2]Hedi Chaker University Hospital, SFAX, Tunisia, [3]Peripheral Hospital of Nabeul, Nabeul, Tunisia)

THE IMPACT OF COVID-19 PANDEMIC ON ST-SEGMENT-ELEVATION MYOCARDIAL INFARCTION: EVIDENCE FROM A REGIONAL PUBLIC SERVICE HEALTHCARE HUB

Amine Bahloul[1]; Amina Lassouad[2]; Zied Belhadj[3]; Selma Charfeddine[1]; Faten Triki[1]; Rania Hammami[1]; Leila Abid[1], ([1]Hedi Chaker University Hospital, sfax, Tunisia, [2]Hedi Chaker University Hospital, SFAX, Tunisia, [3]Peripheral Hospital of Nabeul, Nabeul, Tunisia)

ANGIOGRAPHIC FINDING, REVASCULARIZATION AND PROGNOSIS OF ACUTE CORONARY SYNDROME IN YOUNG ADULTS: A TUNISIAN COHORT

Amine Bahloul; Hanen Brahmi; Ellouze Tarek; Faten Triki; Rania Hammami; Leila Abid, (Hedi Chaker University Hospital, sfax, Tunisia)

TREATMENT CHOICES IN VERY ELDERLY PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION IN REAL PRACTICE

Amine Bahloul; Chaima Ghorbel; Rania Hammami; Selma Charfeddine; Faten Triki; Leila Abid, (Hedi Chaker University Hospital, sfax, Tunisia)

THERAPEUTIC COMPLIANCE IN VERY ELDERLY PATIENTS WITH ACUTE CORONARY SYNDROME

Amine Bahloul; Chaima Ghorbel; Faten Triki; Rania Gargouri; Rania Hammami; Leila Abid, (Hedi Chaker University Hospital, sfax, Tunisia)

ADHERENCE TO SECONDARY PREVENTION THERAPIES IN ACUTE CORONARY SYNDROME : BI-CENTRIC STUDY IN PERIPHERALS HOSPITALS IN TUNISIA

Amine Bahloul[1]; Amina Lassouad[2]; Rania Gargouri[1]; Faten Triki[1]; Rania Hammami[1]; Leila Abid[1], ([1]Hedi Chaker University Hospital, sfax, Tunisia, [2]Hedi Chaker University Hospital, SFAX, Tunisia)

317 - TREATMENT OF PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASES OF LEFT-RIGHT SHUNT - BOSNIAN AND HERZEGOVINIAN PERSPECTIVE

Nedim Begić[1]; Zijo Begić[2]; Edin Begić[3], ([1]Pediatric Clinic, Clinical Center University of Sarajevo, Sarajevo, Bosnia and Herzegovina, [2]Clinical Center University of Sarajevo, Sarajevo, Bosnia and Herzegovina, [3]General Hospital "Prim. dr. Abdulah Nakaš", Sarajevo, Bosnia and Herzegovina)

NEBIVOLOL PREVENTS RESTENOSIS BY INHIBITING INFLAMMATION, PROLIFERATION AND PLATELET AGGREGATION IN HIGH GLUCOSE-INDUCED HUMAN SAPHENOUS VEIN GRAFTS

Caglar Bintepe[1]; Buket Reel[1]; Cagatay Engin[1]; Nevin Ersoy[2]; Hüsnü Bagriyanik[3], ([1]Ege University Faculty of Pharmacy, Izmir, Turkey, [2]Dokuz Eylul University School of Medicine, Izmir, Turkey, [3]Izmir Biomedicine and Genome Center, Izmir, Turkey)

DYNAMICS OF THE QUALITY OF LIFE AFTER CABG IN PATIENTS WITH STABLE ISCHEMIC CORONARY DISEASE

Yuliia Borkhalenko[1]; Olga Yepanchintseva[1]; Borys Todurov[1]; Oleg Zharinov[2], ([1]The Heart Institute of the Ministry of Health of Ukraine, Kyiv, Ukraine, [2]Shupyk National Healthcare Univercity of Ukraine, Kyiv, Ukraine)

318 - ENHANCING THE POTENTIAL FOR INCREASED PRIMARY CARE ROLE IN FAMILIAL HYPERCHOLESTEROLAEMIA DETECTION AND MANAGEMENT: COST-EFFECTIVENESS AND RETURN ON INVESTMENT

Tom Brett[1]; Clara Marquina[2]; Jan Radford[3]; Clare Heal[4]; Charlotte Hespe[5]; Gerard Gill[6]; David Sullivan[7]; Ella Zomer[2]; Jedidiah Morton[2]; Gerald Watts[8]; Jing Pang[8]; Zanfima Ademi[2], ([1]The University of Notre Dame Australia, Fremantle, Australia, [2]Monash University, Melbourne, Australia, [3]University of Tasmania, Launceston, Australia, [4]James Cook University, Mackay, Australia, [5]The University of Notre Dame Australia Sydney, Sydney, Australia, [6]Deakin University, Geelong, Australia, [7]Royal Prince Alfred Hospital, Sydney, Australia, [8]University of Western Australia, Perth, Australia)

THE MANAGEMENT OF STROKE AT A TEACHING HOSPITAL AND SOME SELECTED HERBAL CLINICS IN ASHANTI REGION OF GHANA

Kwame Buabeng; Richmond Amoh; Fred Sarfo, (Kwame Nkrumah University of Science and Technology, Kumasi, Ghana)

319 - OPTIMIZATION OF LIPIDS FOR PREVENTION IN PATIENTS WITH DOCUMENTED ATHEROSCLEROTIC CARDIOVASCULAR DISEASES - OUR EXPERIENCES

Ivana Burazor[1]; Zoran Cosic[2]; Rade Babic[3]; Petar Otasevic[3]; Nebojsa Tasic[3]; Snezana Kostic[3]; Milovan Bojic[3]; Vladmir Kanjuh[4]; Vojislav Giga[5], ([1] Belgrade, Serbia, [2]Institute for rehabilitation, Belgrade, Serbia, [3]Institute for Cardiovascular Diseases Dedinje, Belgrade, Serbia, [4]Serbian Academy of art and sciences, Belgrade, Serbia, [5]University Clinical Center of Serbia, Belgrade, Serbia)

NUTRIGENETIC APPROACH OF ATHEROSCLEROSIS – CLINICAL CASE STUDY

Andreea Zamfirescu[1]; Mihaela Roman[2]; Ana Capisizu[1]; Daniela Stoian[3], ([1]University "Carol Davila" Bucharest Romania, Bucharest, Romania, [2]Chronic disease hospital , Bucharest, Romania, [3]University of Bucharest, Bucharest, Romania)

THE COURSE OF MYOCARDIAL INFARCTION IN COVID-19 CONVALESCENTS

Mikhail Chashchin; Alexander Gorshkov; Oxana Drapkina, (National Research Center for Preventive Medicine, Moscow, Russian Federation)

IMPACT OF COVID-19 OUTBREAK IN STEMI PATIENTS IN THE REGIONAL EMERGENCY CENTER IN SEOUL, KOREA

Youngduck Cho; Younghoon Yoon; Sungjun Park, (Korea University Guro Hospital, Seoul, Korea, Republic of)

320 - MESENCHYMAL STEM CELL-DERIVED EXTRACELLULAR VESICLES ATTENUATE CARDIAC HYPERTROPHY IN A CELLULAR MODEL OF HUMAN-INDUCED PLURIPOTENT STEM CELL-DERIVED CARDIOMYOCYTES

Alina Constantin[1]; Nicoleta Alexandru[1]; Alexandru Filippi[2]; Miruna Nemecz[1]; Alexandra Vîlcu[1]; Leona Chitoiu[3]; Mihaela Gherghiceanu[3]; Adriana Georgescu[1], ([1]Institute Of Cellular Biology And Pathology Nicolae Simionescu, Bucharest, Romania, [2]Carol Davila' University of Medicine and Pharmacy, Bucharest, Romania, [3]Victor Babeș National Institute of Pathology, Bucharest, Romania)

321 - Value Of Speckle Tracking Echocardiography For Detection Of Clinically Silent Left Ventricular Dysfunction In Patients With Systemic Lupus Erythematosus

Ahmed Elgohari, (research institue, cairo, Egypt)

322 - GENETIC POLYMORPHISMS OF HYPERTRIGLYCERIDEMIA AND ASYMPTOMATIC ATHEROSCLEROSIS IN WOMEN WITH SYSTEMIC LUPUS ERYTHEMATOSUS: A CASE-CONTROL STUDY

Marta Fanlo Maresma[1]; Viriginia Esteve Luque[2]; M. Ángeles Rodríguez Sánchez[1]; Emili Corbella Ingles[2]; Ariadna Padró Miquel[2]; Beatriz Candás Estébanez[2]; Xavier Pintó Sala[3], ([1]Hospital Universitari de

Bellvitge, Hospitalet de Llobregat, Spain, [2]Hospital Universitari de Bellvitge/IDIBELL, Hospitalet de Llobregat, Spain, [3]Hospital Universitari de Bellvitge/IDIBELL/Universitat de Barcelona, Hospitalet de Llobregat, Spain)

ABDOMINAL OBESITY AS A RISK FACTOR OF THE DEVELOPMENT OF CARDIOVASCULAR AND METABOLIC DISORDERS IN PATIENTS WITH ARTERIAL HYPERTENSION

Tatiana Petelina[1]; Natalia Musikhina[2]; Ksenia Avdeeva[2]; Maria Lyapina[3]; Elena Dorodneva[3]; Liana Valeeva[2]; Elena Samoilova[2]; Ekaterina Mikova[2]; Luidmila Gapon[2], ([1]Tyumen Cardiology Research Center, Tyumen, Russian Federation, [2]Tyumen Cardiology Research Center, Tomsk National Research Medical Center, Russian Academy of Sciences, Tyumen, Russian Federation, [3]Federal State Budgetary Educational Institution of Higher Education "Tyumen State Medical University" of the Ministry of Healthcare of the Russian Federation, Tyumen, Russian Federation)

THE ASSOCIATION OF HEALTHY AGING INDEX WITH CARDIOVASCULAR DISEASE RISK (HELIAD STUDY)

Viktor Gkotzamanis[1]; Demosthenes Panagiotakos[2]; Mary Yiannakoulia[3]; Efthimios Dardiotis[4]; Georgios Hadjigeorgiou[5]; Paraskevi Sakka[6]; Mary Kosmidi[7]; Nikolaos Scarmeas[8], ([1] Athens, Greece, [2]Harokopio University, Athens, Greece, Kallithea, Greece, [3]Harokopio University of Athens, Athens, Greece, [4]University of Thessaly, Larissa, Greece, [5]University of Cyprus, Nicosia, Cyprus, [6]Athens Association of Alzheimer's Disease and Related Disorders, Athens, Greece, [7]Aristotle University of Thessaloniki, Thessaloniki, Greece, [8]National and Kapodistrian University of Athens, Athens, Greece)

MYOCARDIAL FIBROSIS MARKERS CHANGES IN PATIENTS WITH HEART FAILURE WITH MID-RANGE EJECTION FRACTION OF ISCHEMIC GENESIS UNDER THERAPY

Olga Godlevska; Yana Samburg; Yuliya Rodionova; Tetiana Magdalits, (Kharkiv Medical Academy Of Postgraduate Education, Kharkiv, Ukraine)

CLINICAL MANAGEMENT PROCESSES TO IMPROVE ADHERENCE OF PATIENTS TO OPTIMAL THERAPY OF CARDIOVASCULAR DISEASE

Roman Goloshchapov-Aksenov[1]; Dmitry Kicha[2]; Oleg Rukodaynyy[2]; Pavel Volkov[2], ([1]Russian University of Peoples' Friendship, Moscow, Russian Federation, [2]Российский университет дружбы народов, Москва, Russian Federation)

323 - LIPID CORE NANOPARTICLE ASSOCIATED WITH METHOTREXATE IMPROVED LEFT VENTRICULAR CARDIOMYOPATHY IN MICE WITH MARFAN SYNDROME.

Maria Carolina Guido[1]; Natalia Lopes[2]; Priscila Carvalho[2]; Aline Silva[2]; Leonardo Jensen[2]; Lygia Pereira[3]; Ricardo Dias[2]; Francisco Laurindo[2]; Raul Maranhão[2], ([1] São Paulo, Brazil, [2]Heart Institute - HCFMUSP, São Paulo, Brazil, [3]Institute of Biosciences USP, São Paulo, Brazil)

ATHLETES HEART IN LONG DISTANCE RUNNERS: FACT OR FICTION?

Michiel Hartog[1]; Louise Hartog[2]; Jm Hartog[2], ([1] Bilthoven, Netherlands, [2]Diakonessenhuis, Bilthoven, Netherlands)

324 - CARDIOVASCULAR DISEASE AND HYPERHOMOCYSTEINEMIA: THE ROLE OF EICOSANOIDS

Malvina Hoxha[1]; Entela Kolovani[2]; Bruno Zappacosta[1], ([1]Catholic University Our Lady of Good Counsel, Faculty of Pharmacy, Tirana, Albania, [2]University of Medicine, Faculty of Medicine, Tirana, Albania)

THE OPTIMAL TIMING TO RECANALIZE AN INFARCT-RELATED ARTERY IN PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION ONSET MORE THAN 12 HOURS

Meng Hu, (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China)

COMPARISON OF CLINICAL OUTCOMES FOLLOWING DIFFERENT PERCUTANEOUS CORONARY INTERVENTION GUIDANCE MODALITIES: A SYSTEMATIC REVIEW AND BAYESIAN NETWORK META-ANALYSIS

Meng Hu, (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China)

CORONARY INTERVENTION IN STEMI PATIENTS WITH SYMPTOM ONSET > 12 HOURS: DATA FROM CHINA ACUTE MYOCARDIAL INFARCTION (CAMI) REGISTRY

Meng Hu, (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China)

LONG-TERM OUTCOMES IN ACUTE INFERIOR MYOCARDIAL INFARCTION PATIENTS WITH RIGHT VENTRICULAR MYOCARDIAL INFARCTION

Meng Hu, (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China)

PREVELANCE AND RISK FACTORS ASSOCIATED WITH HYPERTENSION AMONG ADOLESCENT IN ALOBAID CITY, SUDAN 2021

Sara Ismail, (Sudan medical specialization board , Khartoum, Sudan)

HEME OXYGENASE-1 INDUCTION PROMOTES HUMAN PLURIPOTENT STEM CELL DIFFERENTIATION INTO ENDOTHELIAL CELLS AND VASCULAR REPAIR

Wei-Cheng Jiang; Shaw-Fang Yet, (National Health Research Institutes, Zhunan, Taiwan)

CORONARY HEART DISEASE AND ARTERIAL HYPERTENSION IN SILICOSIS

Bobir Khalmukhamedov, (Tashkent Medical Academy, Tashkent, Uzbekistan)

PREPARATION OF SHEAR STRESS SENSITIVE CARRIERS FOR TARGETED DRUG DELIVERY TO OBSTRUCTED BLOOD VESSELS; A PRELIMINARY IN VITRO STUDY

Payam Khazaeli, (Kerman Uni.Med.sci, 7616911319, Iran)

SUBCLINICAL ATHEROSCLEROSIS DEVELOPMENT DURING PHYTOESTROGEN THERAPY

Tatiana Kirichenko[1]; Irina Yudina[2]; Alexander Orekhov[1], ([1]Research Institute of Human Morphology, Moscow, Russian Federation, [2]I.M. Sechenov First Moscow State Medical University (Sechenov University), Moscow, Russian Federation)

ACUTE CORONARY SYNDROME OUTSIDE AND DURING THE COVID-19 PANDEMIC

Natalia Koriagina; Vladimir Koriagin; Alexey Maltcev; Sofia Shulkina, (Perm state medical university, Perm, Russian Federation)

GENDER CHARACTERISTICS OF THE COURSE AND TREATMENT OF ACUTE MYOCARDIAL INFARCTION

Natalia Koriagina[1]; Vladimir Koriagin[1]; Sofia Shulkina[1]; Iliya Krakhotin[1]; Inna Gulyaeva[2], ([1]Perm state medical university, Perm, Russian Federation, [2]PSMU, Perm, Russian Federation)

CHARACTERISTIC OF PATIENTS WITH COVID-19 AND MYOCARDIAL INFARCTION

Natalia Koriagina; Vladimir Koriagin; Kirill Prokhorov; Grigorii Spasenkov, (Perm state medical university, Perm, Russian Federation)

MEDICAL CARE TO PATIENTS WITH ACUTE MYOCARDIAL INFARCTION DURING COVID-19 PANDEMIC

Natalia Koriagina; Vladimir Koriagin; Kirill Prokhorov; Grigorii Spasenkov, (Perm state medical university, Perm, Russian Federation)

325 - ASSESSMENT OF DISTAL CORONARY CALCINOSIS BEFORE CORONARY ARTERY BYPASS GRAFTING: THE ROLE OF COMPUTED TOMOGRAPHY

Renat Akchurin[1]; Andrey Shiryaev[2]; Vladislav Vasiliev[2]; Rasul Pashaev[3]; Vladimir Zaikovsky[4]; Said Kurbanov[2], ([1]Federal State Budgetary Institution NATIONAL MEDICAL RESEARCH CENTER OF CARDIOLOGY Ministry of Healt, Moscow, Russian Federation, [2]NATIONAL MEDICAL CARDIOLOGY RESEARCH CENTER, Moscow, Russian Federation, [3] FSBI "National Medical Research Center of Cardiology" of the Ministry of Health of Russia, Moscow, Russian Federation, [4]FSBI "National Medical Research Center of Cardiology" of the Ministry of Health of Russia, Moscow, Russian Federation)

THE ROLE OF RIPC IN PREVENTING ORGAN DAMAGE, INFLAMMATION AND OXIDATIVE STRESS DURING LOWER LIMB DSA: A RANDOMISED CONTROLLED TRIAL

Karl Kuusik[1]; Teele Kasepalu[2]; Mihkel Zilmer[1]; Jaan Eha[2]; Mare Vähi[1]; Liisi Anette Torop[2]; Jüri Lieberg[2]; Jaak Kals[1], ([1]University of Tartu, Tartu, Estonia, [2]Tartu University Hospital, Tartu, Estonia)

326 - THE PLASMA PROTEOME OF RHEUMATIC PATIENTS REVEALS DIFFERENCES IN FINGERPRINT BASED ON THE CARDIOVASCULAR HISTORY

Max Van Velzen[1]; Romy Hansildaar[2]; Eduard Van Der Vossen[1]; Mike Nurmohamed[3]; Johannes Levels[4], ([1]Department of Experimental Vascular Medicine, Amsterdam, Netherlands, [2]READE, Amsterdam, Netherlands, [3]READE, AUMC, Amsterdam, Netherlands, [4]Amsterdam UMC - Location AMC, Amsterdam, Netherlands)

EXPLORING FEATURE GENES FOR ISCHEMIC STROKE BASED ON BIOINFORMATICS AND MACHINE LEARNING

Hua Liu[1]; Na Bai[1]; Shenggang Liu[2]; Wei Liu[3]; Qiang Zhou[1]; Hongwei Zhang[1], ([1]The Affiliated Hospital of Southwest Jiaotong University, Chengdu, China, [2]the people's hospital of Mianyang, Mianyang, China, [3]Nanbu People's Hospital, Nanbu, China)

AN UNUSUAL CASE OF YOUNG MALE PATIENT WITH CRITICAL LOWER LIMB ISCHEMIA INDUCED BY PSORIASIS.

Mikolaj Maga; Patrycja Laczak; Pawel Kaczmarczyk; Maciej Wandzilak; Pawel Maga, (Jagiellonian University Medical College, Krakow, Poland)

THE STATE OF THE EYE IN BILATERAL OCCLUSION OF THE INTERNAL CAROTID ARTERIES

Dilbar Makhkamova[1]; Munira Kasimova[2], ([1] Tashkent, Uzbekistan, [2]Republican Specialized Scientific-practical Medical Center of Eye Microsurgery, Tashkent, Uzbekistan)

JENA AUF ZIEL – JAZ" - A PROSPECTIVE COHORT STUDY AIMING TO GET ALL PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION ON ESC/EAS LDL-C TARGETS

Umidakhon Makhmudova[1]; Beasat Samadifar[2]; Aurel Maloku[2]; Pellumb Haxhikadrija[2]; Sylvia Otto[2]; P.Christian Schulze[2]; Oliver Weingärtner[2], ([1] Jena, Germany, [2]Jena University Hospital, Jena, Germany)

THE STUDY OF THE ECONOMIC EFFICIENCY OF DETERMINING THE CORONARY CALCIUM INDEX IN THE CHOICE OF A PRIMARY PREVENTION STRATEGY

Svetlana Malchikova; Nadezhda Lobanova; Nadezhda Maksimchuk-Kolobova; Maria Kazakovtseva, (Kirov State Medical Academy, Kirov, Russian Federation)

THE ASSOCIATION BETWEEN PERIOPERATIVE FACTORS AND NEUROCHEMICAL MARKERS AND INDICATORS OF COGNITIVE FUNCTIONS IN PATIENTS UNDERGOING SIMULTANEOUS CORONARY ARTERY BYPASS GRAFTING AND CAROTID ENDARTERECTOMY

Olga Maleva, (Federal State Budgetary Institution Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation)

327 - L-CITRULLINE AMELIORATES PATHOPHYSIOLOGY IN A RAT MODEL OF SUPERIMPOSED PREECLAMPSIA

Wing Chung Man[1]; Yawen Zhou[1]; Uyen Lam[1]; Gisela Reifenberg[1]; Anke Werner[1]; Alice Habermeier[1]; Ellen Closs[1]; Andreas Daiber[1]; Thomas Münzel[2]; Ning Xia[1]; Huige Li[1], ([1]Johannes Gutenberg University Medical Center, Mainz, Germany, [2]University Medical Center Mainz, Mainz, Germany)

QUANTITATIVE CAROTID ATHEROSCLEROSIS ASSESSMENT FROM A CORONARY CT ANGIOGRAPHY (CTA) – OPTIMIZED CT PROTOCOL ACQUISITION – PROOF OF CONCEPT

Hugo Marques[1]; Carina Ruano[2]; James Earls[3]; James Min[4], ([1] Lisboa, Portugal, [2]Hospital de Santa Marta - CHULC, Lisboa, Portugal, [3]George Washington University hospital, washington, United States of America, [4]cleerly inc, new york, United States of America)

328 - ADAPTATION OF A NEW CARDIAC REHABILITATION PROGRAM IN TIMES OF COVID-19 PANDEMIC

Miriam Martin Toro[1]; Manuel Herruzo Rojas[2]; Eduardo Martinez De Morentin Laurenz[2]; Sara Blasco Turrion[2]; Francisco Morales Ponce[2], ([1]Hospital Universitario de Puerto Real, Cadiz, Spain, [2]HOSPITAL UNIVERSITARIO DE PUERTO REAL, Puerto Real, Spain)

329 - NEW SEMI-PRESENTIAL MODALITY IN CARDIAC REHABILITATION DUE TO COVID-19 PANDEMIC. WHAT RESULTS HAVE WE OBTAINED?

Miriam Martin Toro[1]; Manuel Herruzo Rojas[2]; Eduardo Martinez De Morentin Laurenz[2]; Sara Blasco Turrion[2]; Francisco Morales Ponce[2], ([1]Hospital Universitario de Puerto Real, Cadiz, Spain, [2]HOSPITAL UNIVERSITARIO DE PUERTO REAL, Puerto Real, Spain)

AUTONOMIC FUNCTION EVALUATION WITH SDANN IN ELDERLY PATIENTS WITH ACUTE ISCHEMIC STROKE

Mayumi Masumura; Atsuyuki Ohno, (Shizuoka City Shimizu Hospital, Shizuoka, Japan)

ACHIEVEMENT OF THERAPEUTIC OBJECTIVES OF SECONDARY PATIENT PREVENTION WITH ACUTE ISCHEMIC CEREBROVASCULAR STROKE.

Evgenia Mavrokefalou; Georgios Tomazou; Stella Ntavidi; Adamantia Chioti; Marilena Kylla; Varvara Polymniou; Dimitrios Kamarinopoulos; George Marakomichelakis, (General Hospital of Athens Evaggelismos, Athens, Greece)

HEMATOPORPHYRIN- MEDIATED FOCUSED ULTRASOUND SONODYNAMIC THERAPY COMBINED WITH CATHETER- BASED RHENIUM-186 BRACHYTHERAPY AFTER B- MODE ULTRASOUND- GUIDED BALLOON ANGIOPLASTY OF OCCLUDED ARTERY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

LASER- MEDIATED THERMAL ANGIOPLASTY OF OCCLUDED ARTERY ACCOMPANIED BY DISULPHONATED ALUMINUM PHTHALOCYANINE - MEDIATED PHOTODYNAMIC THERAPY COMBINED WITH CATHETER- BASED RUTHENIUM-106 BRACHYTHERAPY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

REGRESSION OF ADVANCED ATHEROSCLEROSIS WITH NEOVESSELS USING INERTIAL CAVITATION EFFECT OF COLLAPSED MICROBUBBLES- MEDIATED PULSED- FOCUSED ULTRASOUND ANTIVASCULAR THERAPY

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INTERMEDIATE STAGE ATHEROSCLEROSIS REGRESSION USING PHOTOFRIN II - MEDIATED ULTRASOUND SONODYNAMIC THERAPY AND GOLD NANOPARTICLES- MEDIATED X- RAYS-BASED AUGER ELECTRON THERAPY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

ULTRASOUND- GUIDED POLYHYDROXY FULLERENE – LOADED MICROBUBBLES- MEDIATED PULSED LOW LEVEL FOCUSED ULTRASOUND SONODYNAMIC THERAPY OF NEOINTIMAL HYPERPLASIA ACCOMPANIED BY CATHETER- BASED RADIUM-226 BRACHYTHERAPY

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EARLY STAGE ATHEROSCLEROSIS REGRESSION, USING B- MODE ULTRASOUND- GUIDED CHLOR- ALUMINIUM SULFONATED PHTHALOCYANINE - MEDIATED CATHETER- BASED LOW LEVEL RED LASER PHOTODYNAMIC THERAPY

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

CAROTID ENDARTERECTOMY ACCOMPANIED BY RADIUM- 224 PATCH ANGIOPLASTY-MEDIATED DIFFUSING ALPHA-EMITTERS RADIATION THERAPY (DART) FOR RESTENOSIS PREVENTION

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PHOTODYNAMIC THERAPY IN COMBINATION WITH PHOTOTHROMBOSIS THERAPY OF ATHEROSCLEROTIC PLAQUES WITH NEOVESSELS, USING ROSE BENGAL AND POLARIZED GREEN LASER

Hossein Mehrad[1]; Ali Sultan- Qurraie[2], ([1]Mehrad Research Lab, Tabriz, Iran, [2]University of Washington, Valley Medical Center, Washington, United States of America)

EFFECT OF TALAPORFIN SODIUM- MEDIATE RED LASER- ASSISTED PHOTODYNAMIC THERAPY ON ARTERIAL BIOMECHANICAL PARAMETERS IN THE RABBIT CAROTID ARTERY MODEL OF NEOINTIMAL HYPERPLASIA

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

EFFECT OF HDL- LOADED PESDA MICROBUBBLES- MEDIATED FOCUSED SHOCK WAVE SONOPORATION THERAPY ON BIOMECHANICAL PARAMETERS IN AN EXPERIMENTAL ANIMAL MODEL OF ABDOMINAL AORTA FIBROATHEROMATIC PLAQUE

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

SONO- SHOCK WAVE COMBINATION ANGIOGENIC THERAPY FOR CARDIAC FUNCTION IMPROVEMENT IN THE HYPERCHOLESTEROLEMIC HAMSTERS WITH MYOCARDIAL ISCHEMIA

Hossein Mehrad, (Mehrad Research Lab, Tabriz, Iran)

330 - CARDIOVASCULAR RISK FACTORS AND CAROTID INTIMA MEDIA THICKNESS: MEDIATION AND INTERACTION BY GRIP STRENGTH

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EVALUATION OF FRACTIONAL FLOW RESERVE IMPACTS ENDOVASCULAR MANAGEMENT OF PATIENTS WITH STABLE CORONARY ARTERY DISEASE IN THE CLINICAL PRACTICE

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FACTORS, ASSOCIATED WITH MAJOR ADVERSE EVENTS IN RURAL MALES WITH ARTERIAL HYPERTENSION AT LONG-TERM FOLLOW-UP

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331 - HIGH AND LOW LEVELS OF SERUM SIRTUIN6 IN PATIENTS WITH ACUTE ISCHEMIC STROKE

Luca Liberale[1]; Markus Arnold[2]; Stefano Ministrini[3]; Yustina Puspitasari[4]; Georgia Beer[4]; Fabrizio Montecucco[5]; Mira Katan[2]; Giovanni Camici[3], ([1]Università degli Studi di Genova, Genoa, Italy, [2]Zurich University Hospital, Zurich, Switzerland, [3]University of Zurich, Zurigo, Switzerland, [4]University of Zurich, Schlieren, Switzerland, [5]First Clinic of Internal, Genoa, Italy)

NON-ALCOHOLIC FATTY LIVER DISEASE FREQUENCY AND ASSOCIATED FACTORS AT ADMISSION OF ACUTE STROKE

Takahisa Mori; Kazuhiro Yoshioka; Yuichi Miyazaki, (Shonan Kamakura General Hospital, Kamakura, Japan)

332 - PHARMACOTHERAPY OF INHIBITION OF THE ATHEROSCLEROTIC PROCESS THROUGH THE EFFECT ON NEUROTRANSMITTERS

Tetiana Motsak[1]; Viktor Lyzogub[2]; Olena Kupchynska[2], ([1] Kyiv, Ukraine, [2]Bogomolets National Medical University, Kyiv, Ukraine)

PATIENT ADHERENCE TO LIPID-LOWERING AND OTHER THERAPY WITHIN 24 MONTHS AFTER MYOCARDIAL INFARCTION

Yulia Barmenkova; Elena Averyanova; Karina Korenkova; Nadezhda Burko; Anastasia Oreshkina; Valentin Oleynikov, (Penza State University, Penza, Russian Federation)

FEATURES OF INDICATORS OF CENTRAL PRESSURE AND STIFFNESS IN PATIENTS WITH PRIMARY MYOCARDIAL INFARCTION IN COMBINATION WITH COVID-19

Valentin Oleynikov; Luidmila Salyamova; Marina Lukyanova; Karina Korenkova; Alexey Kulyutsin, (Penza State University, Penza, Russian Federation)

CARDIOVASCULAR RISK FACTORS IN PATIENTS WITH PRIMARY MYOCARDIAL INFARCTION IN COMBINATION WITH COVID-19

Valentin Oleynikov; Luidmila Salyamova; Karina Korenkova; Kristina Polezhaeva; Natalia Donetskaya; Anastasia Babina, (Penza State University, Penza, Russian Federation)

INDICATORS OF REGIONAL ARTERIAL STIFFNESS IN YOUNG PATIENTS WITH DIFFERENT TYPES OF CORONARY HEART DISEASE

Angelina Khromova; Luidmila Salyamova; Irina Matrosova; Kristina Polezhaeva; Nadezhda Burko; Valentin Oleynikov, (Penza State University, Penza, Russian Federation)

ARTERIAL STIFFNESS INDICATORS AS MARKERS OF CARDIOVASCULAR PATHOLOGY IN PEOPLE OF DIFFERENT AGE GROUPS

Valentin Oleynikov; Angelina Khromova; Kristina Polezhaeva; Ksenia Pavlenko; Luidmila Salyamova; Nadezhda Burko, (Penza State University, Penza, Russian Federation)

THE STATE OF ENDOTHELIAL FUNCTION IN YOUNG PATIENTS WITH CORONARY ARTERY DISEASE, WITH A HISTORY OF HYPERTENSION AND WITHOUT

Valentin Oleynikov; Angelina Khromova; Nadezhda Burko; Kristina Polezhaeva; Alexey Kulyutsin, (Penza State University, Penza, Russian Federation)

TELMISARTAN IN PATIENTS WITH CHRONIC HEART FAILURE AND DIABETES MELLITUS TYPE 2

Nataliia Pavliukovych; Oleksandr Pavliukovych; Mariia Kozar, (Bukovinian State Medical University, Chernivtsi, Ukraine)

MANAGEMENT OF LIPID-LOWERING TREATMENT IN PATIENTS WITH ISCHEMIC STROKE IN CATALONIA AND BALEARIC ISLANDS, SPAIN. MALIC STUDY PHASE 2. PRELIMINARY RESULTS.

Angels Pedragosa[1]; Carolina Guerrero[1]; Rosa Borrallo[1]; Marta Mauri[1]; Amelia Boix[2]; Xabi Urra[3]; Laura Redondo[4]; Ana Rodriguez-Campello[5]; David Canovas[6], ([1]Consorci Sanitari de Terrassa, Terrassa, Spain, [2]Hospital Universitari Son Espases, Palma, Spain, [3]Hospital Clínic Barcelona, Barcelona, Spain, [4]Hospital Universitari de Vic, Vic, Spain, [5]Hospital del Mar, Barcelona, Spain, [6]Consorci Corporació Sanitaria Parc Taulí, Sabadell, Spain)

333 - CAROTID INTIMA-MEDIA THICKNESS (CIMT) AS AN IMPORTANT ULTRASONIC DIAGNOSTIC MARKER OF TRANSIENT ISCHEMIC ATTACKS (TIA)

Dusan Petrovic, (Clinical centre of Serbia, Belgrade, Serbia)

WITHIN THE "HEART" OF COVID: INSIGHTS INTO GENDER AND CARDIOVASCULAR DISEASES

Filomena Pietrantonio[1]; Angela Ciamei[1]; Elena Alessi[1]; Alessandra Di Berardino[1]; Matteo Pascucci[1]; Gaetano Bertani[1]; Roberto Corsi[2]; Francesco Rosiello[1], ([1]Castelli Hospital Asl Roma6, Ariccia, Rome, Italy, Ariccia, Italy, [2]Asl Roma 6, Ariccia, Italy)

334 - DIFFERENTIAL PROTEIN EXPRESSION STUDIES IN HYPERCHOLESTEROLEMIC RABBITS USING AQUEOUS TERMINALIA ARJUNA EXTRACT

Riyaz Ahmad Rather, (Wachemo University, Hossana, India)

335 - CARDIOVASCULAR RISK ASSESSMENT BY PHYSICIANS AND LIPID-LOWERING THERAPY PRESCRIBING IN HIGH- AND VERY HIGH-RISK PATIENTS: RESULTS FROM THE MULTINATIONAL OBSERVATIONAL SANTORINI STUDY

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336 - EGYPTIAN ATHEROSCLEROSIS AND VASCULAR BIOLOGY ASSOCIATION CONSENSUS ON THE USE OF SODIUM GLUCOSE COTRANSPORTER-2 INHIBITORS IN HEART FAILURE WITH REDUCED EJECTION FRACTION

Ashraf Reda[1]; Ahmed Shawky[2]; Atef Elbahry[3]; Ahmed Bendary[4]; Ahmed Elkersh[1]; Elsayed Farag[5]; Mohamed Ashraf[6], ([1]Menoufia University, Shebin Elkom, Egypt, [2]Ain Shams University, Cairo, Egypt, [3]Port Fouad cardiac center, Pot Fouad, Egypt, [4]Benha University, Benha, Egypt, [5]Zagazing University, Zagazig, Egypt, [6]National Heart Institute, Giza, Egypt)

ALPHA LIPOIC ACID PRESERVES LONG-TERM PATENCY AND FUNCTIONAL PERFORMANCE OF THE HUMAN SAPHENOUS VEIN GRAFT BY PREVENTING VASOSPASM

Taskin Kalkan[1]; Buket Reel[1]; Caglar Bintepe[1]; Ismail Yurekli[2]; Nevin Ersoy[3]; Alper Bagriyanik[4], ([1]Ege University Faculty of Pharmacy, Izmir, Turkey, [2]Izmir Katip Celebi University, Ataturk Education and Research Hospital, Izmir, Turkey, [3]Dokuz Eylul University School of Medicine, Izmir, Turkey, [4]Izmir Biomedicine and Genome Center, Izmir, Turkey)

337 - INCREASED RISK OF CARDIOVASCULAR DISEASE AND HIGH RISK PROFILES COMPATIBLE WITH METABOLIC SYNDROME IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE: A CROSS-SECTIONAL ANALYSIS OF MATCHED COHORTS

Jasmijn Sleutjes; Jeanine Roeters Van Lennep; Maryam Kavousi; Elif Aribas; C. Van Der Woude; Annemarie De Vries, (Erasmus MC, Rotterdam, Netherlands)

338 - PATIENT-CENTERED CARDIAC REHABILITATION BY AI-POWERED LIFESTYLE INTERVENTION – THE TIMELY APPROACH

Boris Schmitz[1]; Dimitris Gatsios[2]; Carlos Peña-Gil[3]; Jose R Gonzalez Juanatey[4]; David Cantarero Prieto[5]; Vassilis Tsakanikas[6]; Hubert Scharnagl[7]; Mirela Habibovic[8]; Martin Schmidt[9]; Marcus Kleber[10]; Gert-Jan De Bruijn[11]; Hagen Malberg[9]; Frank Mooren[1]; Jos Widdershoven[12]; Winfried Maerz[7]; Dimitris Fotiadis[6]; Willem Kop[8]; Jos Bosch[8], ([1]University of Witten/Herdecke, Ennepetal, Germany, [2]University of Ioannina, Ioannina, Greece, Ioannina, Greece, [3]Instituto de Investigación Sanitaria, CIBER CV, Madrid, Spain., Madrid, Spain, [4]Health Research Institute of Santiago de Compostela (IDIS), Santiago de Compostela, Spain, Santiago de Compostela, Spain, [5]University of Cantabria, Santander, Spain, Santander, Spain, [6]Institute of Molecular Biology and Biotechnology, Ioannina, Ioannina, Greece, [7]Medical University of Graz, Graz, Austria, [8]Center of Research on Psychology in Somatic diseases (CoRPS), Tilburg, the Betherlands, Tilburg, Netherlands, [9]TU Dresden, Dresden, Germany, [10]Heidelberg University, Heidelberg, Germany, [11]University of Amsterdam, Amsterdam, Netherlands, [12]Elisabeth-TweeSteden Hospital, Tilburg, Netherlands)

339 - A CLINICAL SCORE INCLUDING PERIPHERAL ATHEROSCLEROSIS FOR PREDICTING UPPER GASTROINTESTINAL BLEEDING IN PATIENTS WITH STABLE CAD

Olga Shahmatova[1]; Andrey Komarov[1]; Valeria Korobkova[1]; Elena Yarovaya[1]; Alla Shuleshova[1]; Elizaveta Panchenko[2], ([1]NATIONAL MEDICAL RESEARCH CENTER OF CARDIOLOGY, Moscow, Russian Federation, [2]Federal State Budgetary Institution NATIONAL MEDICAL RESEARCH CENTER OF CARDIOLOGY Ministry of Healt, Moscow, Russian Federation)

340 - CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY PREDICT ONE-YEAR MORTALITY IN PATIENTS WITH TYPE 2 DIABETES AND PARTIAL FOOT AMPUTATION

Evgeniya Shalaeva[1]; Arjola Bano[2]; Bakhtiyor Janabaev[3]; Markus Laimer[4]; Hugo Saner[2], ([1]Tashkent Medical Academy, Uzbekistan, Uzbekistan, [2]University of Bern, Bern, Switzerland, [3]Tashkent Medical Academy, Tashkent, Uzbekistan, [4]University Hospital Bern, Bern, Switzerland)

ARTERIAL HYPERTENSION IN PATIENTS WITH CHRONIC HEART FAILURE BEFORE AND AFTER HEART TRANSPLANTATION

Volha Sujayeva[1]; Volga Spirina[2], ([1]Scientific and Practical Centre , Minsk, Belarus, [2]Scientific and Practical Centre, Minsk, Belarus)

THE INFLUENCE OF VISCERAL OBESITY ON THE VALUE OF VASCULAR AGE IN PATIENTS WITH ARTERIAL HYPERTENSION, OBESITY AND TYPE 2 DIABETES MELLITUS.

Irina Starodubtseva[1]; Maria Derevyanchenko[2]; Mikhail Statsenko[2], ([1] Voronezh, Russian Federation, [2]Volgograd State Medical University, Volgograd, Russian Federation)

STIMULATION OF ENDOTHELIAL PROGENITOR CELLS: A NEW PUTATIVE THERAPEUTIC EFFECT OF HMG CO-A REDUCTASE INHIBITOR IN ANKYLOSING SPONDYLITIS: STAT-AS STUDY

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341 - EFFECT OF COLD WATER HARDENING ON THE LIPID PROFILE, SUBCLINICAL ATHEROSCLEROSIS, FAT DISTRIBUTION, INFLAMMATION AND OTHER SELECTED PARAMETERS OF VOLUNTEERS

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PROGRESSION OF CAROTID ARTERY STENOSES AND TARGET LEVELS OF LIPID METABOLISM IN PATIENTS FOLLOWING CORONARY ARTERY BYPASS GRAFTING

Irina Syrova[1]; Anastasia Kuzmina[2]; Anna Chernobai[3]; Olga Gruzdeva[1]; Olga Trubnikova[1]; Olga Barbarash[1], ([1]Research Institute for Complex Issues of Cardiovascular Diseases, Kemerovo, Russian Federation, [2]Research Institute for Complex Issues of Cardiovascular Diseases, Кемерово, Russian Federation, [3]Research Institute for Complex Issues of Cardiovascular Diseases, г. Кемерово, Кемеровская обл., Russian Federation)

342 - THE TRIGLYCERIDE/GLUCOSE INDEX IS ASSOCIATED WITH MORE SEVERE ACUTE ISCHEMIC STROKE

Christiana Gogou; Anastasia Kontana; Maria Kyziroglou; Maria Kiosi; Danai-Thomais Kostourou; Pavlos Mentizis; Anastasia Gounta; Ioanna Minopoulou; Christina Kourtidou; Athanasios Filippidis; Georgios Chatzopoulos; Konstantinos Tziomalos, (Medical School, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece)

343 - THE TRIGLYCERIDE/GLUCOSE INDEX PREDICTS IN-HOSPITAL MORTALITY IN PATIENTS ADMITTED WITH ACUTE ISCHEMIC STROKE

Anastasios Papadopoulos; Marios Tzavelas; Sarantis Satsoglou; Stavroula Veneti; Eleftheria Ztriva; Alexandra Tsankof; Evripidis Valanikas; Erofili Papathanasiou; Adonis Protopapas; Georgios Polychronopoulos; Georgios Neokosmidis; Konstantinos Tziomalos, (Medical School, Aristotle University of Thessaloniki, AHEPA Hospital, Thessaloniki, Greece)

BLOOD D-DIMER LEVEL AFTER COVID-19 IN PATIENTS WITH CORONARY ARTERY DISEASE

Zumrad Ubaydullaeva; Anis Alyavi; Jamol Uzokov; Mirvosit Karimov; Dilorom Rakhimova, (Republican Specialized Scientific Practical Medical Center of Therapy and Medical Rehabilitation, Tashkent, Uzbekistan)

TANKYRASE INHIBITION ATTENUATES CARDIAC DILATATION AND DYSFUNCTION IN ISCHEMIC HEART FAILURE

Hong Wang[1]; Heli Segersvärd[1]; Juuso Siren[1]; Sanni Perttunen[1]; Katariina Immonen[1]; Riikka Kosonen[1]; Yu-Chia Chen[2]; Johanna Tolva[2]; Mirjami Laivuori[3]; Mikko Mäyränpää[2]; Petri Kovanen[4]; Juha Sinisalo[3]; Mika Laine[3]; Ilkka Tikkanen[3]; Päivi Lakkisto[3], ([1]Minerva Foundation Institute for Medical Research, Helsinki, Finland, [2]University of Helsinki, Helsinki, Finland, [3]Helsinki University Hospital and University of Helsinki, Helsinki, Finland, [4]Wihuri Research Institute, Helsinki, Finland)

344 - THE PROTECTIVE EFFECTS AND MECHANISIM OF ROSUVASTATIN CALCIUM INTERVENTION ON MYOCARDIAL INJURY IN HYPERURICEMIA RAT MODEL

Dilidaer Xilifu, (The first hospital of Xinjiang medical university, Urumqi, China)

MIDTERM GENERAL MORTALITY IN PATIENTS WITH PERIPROCEDURAL HYPOTENSION DURING CAROTID STENTING

Teodora Yaneva-Sirakova[1]; Galina Zlatancheva[1]; Kiril Karamfiloff[1]; Anastas Dimov[2]; Dobrin Vassilev[3], ([1]Medical University Sofia, Sofia, Bulgaria, [2]University of National and World Economy, Sofia, Sofia, Bulgaria, [3]University of Ruse "Angel Kanchev", Sofia, Bulgaria)

CORONARY ARTERY BYPASS GRAFTING IN PATIENTS WITH CONCOMITANT DIABETES MELLITUS: PERIOPERATIVE PROFILE AND EARLY POSTOPERATIVE COMPLICATIONS

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LATE ADVERSE EVENTS AFTER SURGICAL REVASCULARIZATION IN PATIENTS WITH STABLE CORONARY ARTERY DISEASE: ASSOCIATION WITH COMPLIANCE TO STATIN THERAPY

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345 - STENOTIC AORTIC VALVES HAVE HIGH METAL AND LACK SELENIUM: A NEW TOXIC INFLAMMATION HYPOTHESIS ?

Ayhan Olcay[1]; Serdar Albayrak[1]; Onur Yolay[1]; Vedat Ozturk[1]; Emir Canturk[1]; Erdem Tezcan[2]; Hasan Karaoglu[3]; Ceyhun Kucuk[3]; Nail Serbest[4]; Aydin Umihanic[5], ([1]Istanbul Aydin University School of Medicine, İstanbul, Turkey, [2]İstanbul Gedik University, İstanbul, Turkey, [3]The Council of Forensic Medicine, Ministry of Justice, İstanbul, Turkey, [4]Mehmet Akif Ersoy Thoracic and Cardiovascular Surgery Center, Training and Research Hospital, University of Health Sciences, İstanbul, Turkey, [5]University Medical Center Tuzla, Tuzla, Bosnia and Herzegovina)

THE EFFECT OF PCSK9 INHIBITION ON THE STABILIZATION OF ATHEROSCLEROTIC PLAQUE DETERMINED BY BIOCHEMICAL AND DIAGNOSTIC IMAGING METHODS

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346 - EFFECTS OF LIPID-MODIFYING PHARMACOLOGICAL AGENTS ON CIRCULATING PCSK9 IN SEVERE AND FAMILIAL HYPERCHOLESTEROLEMIC (FH) PATIENTS IN ARGENTINA

Pablo Corral[1]; Gabriela Berg[2]; Valeria Zago[3]; Michelle Bursztyn[3]; Graciela López[3]; Laura Schreier[3], ([1] , Argentina, [2]Faculty of Pharmacy and Biochemistry/University of Buenos Aires, Buenos Aires, Argentina, [3]Lipids and Atherosclerosis Laboratory, Faculty of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina)

347 - EFFICACY AND SAFETY OF SAROGLITAZAR 4 MG COMPARED TO FENOFIBRATE 160 MG IN LATINO ADULTS WITH MODERATE TO SEVERE HYPERTRIGLYCERIDEMIA-A RANDOMIZED CLINICAL TRIAL

Deven Parmar[1]; René Rodriguez-Gutierrez[2]; José Gerardo González-González[3]; Farheen Shaikh[1]; Jose L Pio Cruz-López[4], ([1]Zydus Therapeutics Inc., Pennington, United States of America, [2]UANL, Monterrey, México and Mayo Clinic, Rochester, MN, USA, Monterrey, Mexico, [3]UANL, Monterrey, México. Facultad de Medicina y Hospital Universitario "Dr. José Eleuterio González", Monterrey, Mexico, [4]Avant Sante Research Center SA de CV., Monterrey, Mexico)

INITIAL SERUM FERRITIN LEVEL AS A PREDICTOR OF IN-HOSPITAL MORTALITY IN PATIENTS PRESENTED BY ST-ELEVATION MYOCARDIAL INFARCTION

Mahmoud Abdelnabi[1]; Abdallah Almaghraby[2]; Juthipong Benjanuwattra[1]; Yehia Saleh[3]; Ahmed Mokhtar Abd El Azeem[2], ([1]Texas Tech University Health Science Center, Lubbock, United States of America, [2]Faculty of Medicine Alexandria University, Alexandria, Egypt, [3]Houston Methodist DeBakey Heart & Vascular Center, Houston, United States of America)

INFECTIVE ENDOCARDITIS

Mohammed Bogari[1]; Abdullah Abukhodair[1]; Aseel Jarwan[2]; Basil Alzahrani[3]; Jawad Alsayegh[4]; Abdulhalimjamal Kinsara[5], ([1] Jeddah, Saudi Arabia, [2] Makkah, Saudi Arabia, [3]King saud, jeddah, Saudi Arabia, [4]King Saud Bin Abdulaziz for medical science , Jeddah, Saudi Arabia, [5]Ministry of National Guard-Health Affairs, King Saud Bin Abdulaziz University for Health Sciences, COM-WR. King Abdullah International Medical Research Center., Jeddah, Saudi Arabia)

CLINICAL IMPACT OF CIRCULATING MICRORNA-21-5P ON THE SEVERITY OF CORONARY ARTERY DISEASE

Md Sayed Ali Sheikh, (Jouf University, Sakaka, Saudi Arabia)

GENETICS IS MORE IMPORTANT IN THE HISPANIC SOCIETY THAN THE COMPLEX OF ANGIOTENSIN II-MONOCYTES-MACROPHAGES AXIS IN THE ORIGIN OF THE ATHEROSCLEROTIC PROCESS

Luis Barreto[1]; Pablo Altieri[2]; José Muñoz[1]; Nelson Escobales[2]; Hector Banchs[1]; Nicole Villar[1]; Francisco Colón[1], ([1]University of Puerto Rico, Medical Sciences Campus, San Juan, Puerto Rico, [2]University Of Puerto Rico, Medical Sciences Campus, Humacao, Puerto Rico)

CORRELATION OF GALECTIN-3 AND SYMPTOMS OF CHRONIC HEART FAILURE IN PATIENTS WITH RHEUMATOID ARTHRITIS

Andrey Ankudinov, (Irkutsk State Medical Academy of Continuing Education, Иркутск, Russian Federation)

ECG TOOLS FOR CANCER SCREENING

Galya Atanasova, (Medical University, гр. Плевен, общ. Плевен, обл. Плевен, Bulgaria)

IS SURGERY THE DESTİNY OF ALL PATİENTS WITH LERICHE SYNDROME?

Metin Beyaz[1]; Dilan Oruç[2]; Sefer Kaya[3]; Iyad Fansa[3], ([1]Hatay Mustafa Kemal University Tayfur Ata sökmen Faculty Of Medicine , Hatay, Turkey, [2]Hatay Mustafa Kemal University Tayfur Ata sökmen Faculty Of Medicine, Hatay, Turkey, [3]Hatay Mustafa Kemal University Tayfur Ata Sökmen Faculty Of Medicine, Hatay, Turkey)

IS İT SAFE AND EFFECTİVE TO WORK İN A RETROGRADE MANNER FROM THE DİSTAL PART OF THE SUPERFİCİAL FEMORAL ARTERY OR POPLİTEAL ARTERY?

Metin Beyaz[1]; Dilan Oruç[2]; Sefer Kaya[3]; Iyad Fansa[3], ([1]Hatay Mustafa Kemal University Tayfur Ata sökmen Faculty Of Medicine , Hatay, Turkey, [2]Hatay Mustafa Kemal University Tayfur Ata sökmen Faculty Of Medicine, Hatay, Turkey, [3]Hatay Mustafa Kemal University Tayfur Ata Sökmen Faculty Of Medicine, Hatay, Turkey)

DO RACİAL AND SOCİOECONOMİC İNEQUALİTİES İN SYRİAN REFUGEES LİVİNG İN THE REPUBLİC OF TURKEY HAVE AN İMPACT ON ENDOVASCULAR ABDOMİNAL AORTA REPAİR(EVAR)?

Metin Beyaz[1]; Iyad Fansa[2], ([1]Hatay Mustafa Kemal University Tayfur Ata sökmen Faculty Of Medicine , Hatay, Turkey, [2]Hatay Mustafa Kemal University Tayfur Ata Sökmen Faculty Of Medicine, Hatay, Turkey)

CARDIOVASCULAR OUTCOMES OF COVID-19 DISEASE AT THE ELDERLY

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348 - FERRITIN AND IRON SIGNIFICANCE IN THE UNFAVORABLE EVOLUTION OF PERIPHERAL ARTERY DISEASE: A PROSPECTIVE STUDY

Alexandr Ceasovschih[1]; Laurenţiu Şorodoc[1]; Viviana Onofrei[2]; Dan Tesloianu[3]; Elesabeta Jaba[4]; Antoniu Octavian Petriş[2]; Cristian Stătescu[2]; Radu A. Sascău[1]; Cristina Tuchiluş[2]; Cătălina Lionte[2]; Elena-Daniela Grigorescu[2]; Alexandra Stoica[2]; Oana Sîrbu[2]; Raluca Ecaterina Haliga[1]; Elena Adorata Coman[1]; Gabriela Dumitrescu[1]; Mihai Constantin[1]; Irina M. Jaba[5], ([1]Grigore T. Popa University of Medicine and Pharmacy Iasi, Iasi, Romania, [2]Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, [3]"Sf. Spiridon" County Clinical Emergency Hospital, Iasi, Romania, [4]Alexandru Ioan Cuza University, Iasi, Romania, [5]Independent Researcher, Iasi, Romania)

ADRENAL ABNORMALITIES AND STROKE

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CHANGES IN DEFORMATION PROPERTIES OF THE LEFT VENTRICLE IN DIFFERENT DEGREES OF ATHEROSCLEROTIC LESIONS OF CORONARY ARTERIES

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CAN WE DETECT EARLY ATHEROSCLEROSIS & HIGH CALCIUM SCORE BY TISSUE DOPPLER?

Mohammad Eltahlawi[1]; Ahmad Elshanawany[2]; Walid Elawady[1]; Ahmad Ammar[1], ([1]Zagazig University, Zagazig, Egypt, [2]police hospital, Cairo, Egypt)

MACHINE LEARNING IN PREDICTION OF IN-STENT RESTENOSIS.

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RELATIONSHIP BETWEEN BIOMARKERS AND GLOBAL MYOCARDIAL STRAIN PARAMETERS IN PATIENTS WITH CARDIOVASCULAR PATHOLOGY AND METABOLIC DISORDERS AFTER COVID-19-ASSOCIATED PNEUMONIA

Tatiana Petelina[1]; Natalia Musikhina[2]; Elena Yaroslavskaya[2]; Elena Gorbatenko[2]; Natalia Galeeva[2]; Ksenia Avdeeva[2]; Anastasia Shcherbinina[2]; Luidmila Gapon[2], ([1]Tyumen Cardiology Research Center, Tyumen, Russian Federation, [2]Tyumen Cardiology Research Center, Tomsk National Research Medical Center, Russian Academy of Sciences, Tyumen, Russian Federation)

349 - NEWLY IMAGING BIOMARKER OF HYPERTENSION-RELATED VASCULAR AND KIDNEY DAMAGE: THE OPHTHALMIC ARTERY INDEX

Antonina Giammanco[1]; Alessandro Mattina[2]; Giulio Geraci[1]; Marta Zammuto[1]; Carlo Maida[3]; Emilio Nardi[4]; Fabio Tuzzolino[5]; Maurizio Averna[1]; Santina Cottone[6]; Giuseppe Mulè[1], ([1]University of Palermo, Palermo, Italy, [2]Diabetes and Islet Transplantation Unit, Department of Diagnostic and Therapeutic Services, IRCCS-ISMETT, Palermo, Italy, [3]Unit of InUnit of Internal Medicine, 'G. Longo' hospital, Mussomeli (CL), 93014, Italy.ternal Medicine, 'G. Longo' hospital, Mussomeli (CL), 93014, Italy., Palermo, Italy, [4]Azienda ospedaliera universitaria Policlinico Palermo, Palermo, Italy, [5]Office of Research, IRCCS ISMETT (Istituto Mediterraneo per i Trapianti e Terapie ad Alta Specializzazione), UPMC, Palermo, 90127, Italy.Office of Research, IRCCS ISMETT (Istituto Mediterraneo per i Trapianti e Terapie ad Alta Specializzazione), UPMC, Pal, Palermo, Italy, [6]Unit of Nephrology & Hypertension, European Society of Hypertension Excellence Center,, Palermo, Italy)

COVID-19 PNEUMONIA AT A PATIENT WITH CARNITINE PALMITOYLTRANSFERASE II DEFICIENCY

Ana Golez, (General and Teaching Hospital Celje, Celje, Slovenia)

350 - TYPES OF POTASSIUM CHANNELS INVOLVED IN THE RESVERATROL'S EFFECTS ON VASCULAR TONE OF DIABETIC PATIENTS

Milos Gostimirovic[1]; Jovana Rajkovic[1]; Igor Zivkovic[2]; Dusko Terzic[3]; Vladimir Djokic[1]; Ljiljana Gojkovic-Bukarica[1], ([1]Institute of Pharmacology, Clinical Pharmacology and Toxicology, Medical Faculty, University of Belgrade, Belgrade, Serbia, [2]Dedinje Cardiovascular Institute, Belgrade, Serbia, [3]Clinic for cardiosurgery, Clinical Center of Serbia, Belgrade, Serbia)

THE EPIDEMIOLOGICAL AND CLINICAL CHARACTERISTICS OF PATIENTS ADMITTED IN SHOCK TO THE MEDICAL EMERGENCY DEPARTMENT OF THE ORAN UNIVERSITY HOSPITAL

Mourad Goulmane, (Emergency hospital, Oran, Algeria)

351 - CORONARY ATHEROSCLEROSIS IN COVID-19 SURVIVORS: ASSOCIATION WITH CARDIAC INJURY AND FUNCTION AT 6 WEEKS

Roos Groen[1]; Michiel De Graaf[1]; Wouter Jukema[2]; Martin Schalij[3]; J Stöger[3]; J Geelhoed[3]; M Antoni[3], ([1]Leiden University Medical Center, Leiden, Netherlands, [2]TNO, Leiden, Netherlands, [3]LUMC, Leiden, Netherlands)

352 - RISK FACTORS FOR SUBCLINICAL ATHEROSCLEROSIS IN HIV-INFECTED PATIENTS IN BURUNDI: A CROSS SECTIONAL STUDY

Deo Harimenshi[1]; Théodore Niyongabo[2]; Pierre-Marie Preux[1]; Victor Aboyans[3]; Ileana Desormais[3], ([1]Limoges University, Limoges, France, [2]CHU Kamenge, Bujumbura, Burundi, [3]CHU Limoges, Limoges, France)

APELIN13 LEVEL IN PATIENTS WITH ESSENTIAL HYPERTENSION AND PREMATURE BEATS

Anastasia Ivankova; Nataliia Kuzminova; Yevgenia Ivanova, (National Pirogov Memorial Medical University, Vinnytsya, Vinnytsya, Ukraine)

USE OF SPONTANEOUS GESTURE PATTERNS OF PEOPLE WITH APHASIA AT CONVERSATIONAL LEVEL

Harshani Jayathissa[1]; Dinushee Bakmeewewa[2], ([1]Faculty of Medicine, University of Kelaniya, Sri lanka , Anuradhapura, Sri Lanka, [2]Faculty of Medicine, University of Kelaniya, Colombo, Sri Lanka)

353 - THE PATIENT WILL SEE YOU NOW: PATIENT PREFERENCES FOR LIPID CLINIC REVIEWS IN A COVID ERA

Cormac Kennedy[1]; Mary Hall[2]; Patricia O'Connor[2], ([1]Trinity College Dublin, Dublin, Ireland, [2]St James Hospital, Dublin, Ireland)

354 - PREDICTORS OF MAJOR ADVERSE EVENTS OF CARDIOVASCULAR DISEASE IN INDIVIDUALS WITH EARLY ISCHEMIC HEART DISEASE

Mikhail Konnov[1]; Valery Sergienko[1]; Christophe Stevens[2], ([1]Federal Research and Clinical Center of Physical-Chemical Medicine of FMBA, Moscow, Russian Federation, [2]Imperial college London, London, United Kingdom)

355 - CORONARY ARTERY LESIONS WHICH ARE DIFFICULT FOR REVASCULARIZATION. IS THERE ASSOCIATION WITH LP(A) LEVEL?

Larisa Ilina[1]; Elina Vlasova[1]; Said Kurbanov[1]; Olga Afanasieva[2]; Marina Afanasieva[1]; Andrey Shiryaev[1]; Vladislav Vasiliev[1]; Damir Galyautdinov[1]; Sergey Pokrovsky[2]; Renat Akchurin[3], ([1]NATIONAL MEDICAL CARDIOLOGY RESEARCH CENTER, Moscow, Russian Federation, [2]FSBO National Medical Research Center of Cardiology of Russian Ministry of Health, Moscow, Moscow, Russian Federation, [3]Federal State Budgetary Institution NATIONAL MEDICAL RESEARCH CENTER OF CARDIOLOGY Ministry of Healt, Moscow, Russian Federation)

THE PREVALENCE OF CAROTID ATHEROSCLEROSIS IN THE SETTING OF PH-NEGATIVE MYELOPROLIFERATIVE DISEASES

Polina Kuznetsova; Anton Raskurazhev; Marine Tanashyan, (Research Center of Neurology, Moscow, Russian Federation)

356 - RADIATION-INDUCED CAROTID STENOSIS

Sunil Lee, (Inje University Haeundae Paik Hospital, Busan, Korea, Republic of)

357 - LOW-DENSITY LIPOPROTEIN CHOLESTEROL TARGET ATTAINMENT IN POST-ACUTE CORONARY SYNDROME PATIENTS: ABOUT A PROSPECTIVE STUDY

Fatma Zohra Mebarek; Djamaleddine Nibouche, (Hussein Dey university hospital, algiers, Algeria)

LEFT VENTRICULAR MASS INDEX AND RISK OF COGNITIVE DECLINE IN A GENERAL ELDERLY POPULATION: TANUSHIMARU COHORT STUDY

Nagisa Morikawa[1]; Mika Enomoto[1]; Ako Fukami[1]; Maki Yamamoto[1]; Hiromi Sato[1]; Hisashi Adachi[2]; Yoshihiro Fukumoto[1], ([1]Kurume Univiersity School of Medicine, Kurume, Fukuoka, Japan, [2]Keikokai, Hara Hospital, Fukuoka, Japan)

SOLUTE DISPERSION OF DRUG CARRIER DURING MAGNETIC DRUG TARGETING FOR A BLOOD FLOW THROUGH A MICROVESSEL

Joseph Ndenda; Sachin Shaw; John Njagarah, (Botswana International University of Science and Technology (BIUST), Palapye, Botswana)

CONTENT AND EFFECTIVENESS OF COMMUNITY-BASED REHABILITATION ON QUALITY OF LIFE IN PEOPLE POST-STROKE: A SYSTEMATIC REVIEW WITH META-ANALYSIS.

Sènadé Inès Noukpo[1]; Oyéné Kossi[2]; Lisa Tedesco Triccas[3]; Thierry Adoukonou[2]; Peter Feys[3], ([1] Parakou, Benin, [2]University of Parakou, Parakou, Benin, [3]UHasselt, Hasselt, Belgium)

CHANGES IN ECHOCARDIOGRAPHIC PARAMETERS IN PATIENTS WITH COVID-19 ON THE BACKGROUND OF CARDIOVASCULAR DISEASES

Nargiza Nurillaeva; Khasan Omarov; Nargiza Khasanova, (Tashkent Medical Academy, Tashkent, Uzbekistan)

METHODS AND ALGORITHMS FOR CLASSIFYING ECG CHARACTERISTICS AND TRAINING NEURAL NETWORKS FOR DIAGNOSING HEART DISEASES.

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358 - INVESTIGATING THE OXIDATIVE STRESS EPITOPE MALONDIALDEHYDE IN MYOCARDIAL ISCHEMIA REPERFUSION INJURY IN A 2D AND 3D HEART-ON-CHIP SETTING.

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359 - PROGNOSTICATION OF LEFT VENTRICULAR REMODELING IN OBESE PATIENTS WITH ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION

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THE RELATIONSHIP BETWEEN GLUCOSE INTOLERANCE STATUS AND RISK OF HOSPITALIZATION DURING TWO DECADES OF FOLLOW-UP: TEHRAN GLUCOSE AND LIPID STUDY

Rahele Rasooli[1]; Azra Ramezankhani[2]; Maryam Tohidi[2]; Mitra Hasheminia[3]; Davood Khalili[2]; Fereidoun Azizi[4]; Farzad Hadaegh[4], ([1]Shahid beheshti university of medical science , 5717443, Iran, [2]Prevention of Metabolic Disorders Research Center, Research Institute for Endocrine Sciences, tehran, Iran, [3]shahid Beheshti University of Medical Sciences, Tehran, Iran, [4]Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran)

360 - ASSOCIATION G634C POLYMORPHISM OF THE VEGF-A GENE WITH CLINICAL OUTCOMES IN PATIENTS WITH MYOCARDIAL INFARCTION WITHIN 12 MONTHS

Iulia Rodionova[1]; Inna Kutya[1]; Mykola Kopytsya[2]; Yaroslava Hilova[1]; Olga Godlevska[3]; Yana Samburg[3]; Alla Kobets[2], ([1]Government Institution "I.t.malaya Therapy National Institdepartment Of Prevention And Treatment Of Emergency Conditions, Kharkiv, Ukraine, [2]The Government Institution

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MIR-16-5P OVEREXPRESSION INDUCES OXIDATIVE STRESS AND MITOCHONDRIAL DYSFUNCTION IN HUMAN CARDIOMYOBLAST

Carmen Rodriguez Leal[1]; Elena Alonso Villa[2]; Fernando Bonet Martinez[1]; Maribel Quezada-Feijoo[3]; Monica Ramos[4]; Alipio Mangas Rojas[2]; Rocio Toro Cebada[2], ([1]UNIVERSITARY HOSPITAL PUERTA DEL MAR, SAN FERNANDO, Spain, [2]UNIVERSITARY HOSPITAL PUERTA DEL MAR, CADIZ, Spain, [3]ALFONSO X UNIVERSITY, MADRID, Spain, [4]UNIVERSITARY HOSPITAL PUERTA DEL MAR, MADRID, Spain)

MIR-16-5P SUPPRESSION HAS A PROTECTIVE ROLE AGAINST ER-STRESS-INDUCED CARDIOMYOCYTE DAMAGE

Carmen Rodriguez Leal[1]; Elena Alonso Villa[2]; Fernando Bonet Martinez[2]; Concepcion Collado Perez[2]; Olga Caamaño Selma[2]; Natalia Caro Gomez[2]; Alipio Mangas Rojas[2]; Rocio Toro Cebada[2], ([1]UNIVERSITARY HOSPITAL PUERTA DEL MAR, SAN FERNANDO, Spain, [2]UNIVERSITARY HOSPITAL PUERTA DEL MAR, CADIZ, Spain)

361 - THE INFLUENCE OF CORONARY ARTERY BYPASS GRAFT ON INFLAMMATION AND MIOCARDIAL INJURY IN PATIETNS WITH CORONARY ARTERY DISEASE

Olesya Rubanenko; Anatoly Rubanenko; Igor Davydkin; Larisa Limareva, (Samara State Medical University, Samara, Russian Federation)

LOWER EFFICACY OF THROMBOLYSIS IN ATHEROTHROMBOTIC STROKE

Alessandra Sanna; Bastianina Zanda; Federico Cabigiosu; Laura Saderi; Riccardo Boccaletti; Giovanni Sotgiu, (Azienda Ospedaliera Universitaria, Sassari, Italy)

362 - ASSESMENT OF RELATIONSHIP BETWEEN SARCOPENIA AND VASCULAR CALCIFICATION IN PATIENTS WITH SEVERE AORTIC STENOSIS

Yusuf Ziya Şener[1]; Selin Ardali[2]; Uğur Nadir Karakulak[3]; Ahmet Hakan Ateş[2]; Mehmet Levent Şahiner[2]; Ergün Barış Kaya[2]; Tuncay Hazirolan[2]; Enver Atalar[2]; Necla Özer[2]; Kudret Aytemir[2]; Lale Tokgözoğlu[4], ([1]Beypazarı State Hospital, Ankara, Turkey, [2]Hacettepe University Hospital, Ankara, Turkey, [3]Hacettepe University Faculty of Medicine, Ankara, Turkey, [4]Hacettepe University Medical Faculty, Ankara, Turkey)

363 - ASSOCIATION BETWEEN OSTEOPOROSIS AND VASCULAR CALCIFICATION IN PATIENTS WITH SEVERE AORTIC STENOSIS

Yusuf Ziya Şener[1]; Selin Ardali[2]; Ahmet Hakan Ateş[2]; Mehmet Levent Şahiner[2]; Ergün Barış Kaya[2]; Tuncay Hazirolan[2]; Enver Atalar[2]; Necla Özer[2]; Kudret Aytemir[2]; Lale Tokgözoğlu[3], ([1]Beypazarı State Hospital, Ankara, Turkey, [2]Hacettepe University Hospital, Ankara, Turkey, [3]Hacettepe University Medical Faculty, Ankara, Turkey)

364 - EVALUATION OF RELATIONSHIP BETWEEN EPICARDIAL ADIPOSE TISSUE AND VASCULAR CALCIFICATION IN PATIENTS WITH SEVERE AORTIC STENOSIS

Yusuf Ziya Şener[1]; Selin Ardali[2]; Uğur Nadir Karakulak[3]; Ahmet Hakan Ateş[2]; Mehmet Levent Şahiner[2]; Ergün Barış Kaya[2]; Tuncay Hazirolan[2]; Enver Atalar[2]; Necla Özer[2]; Kudret Aytemir[2]; Lale Tokgözoğlu[4], ([1]Beypazarı State Hospital, Ankara, Turkey, [2]Hacettepe University Hospital, Ankara, Turkey, [3]Hacettepe University Faculty of Medicine, Ankara, Turkey, [4]Hacettepe University Medical Faculty, Ankara, Turkey)

365 - PREDICTORS OF CARDIOVASCULAR OUTCOMES IN PATIENTS WITH LOW EXTREMITY PERIPHERAL ARTERY DISEASE

Ahmet Yetkin[1]; Yusuf Ziya Şener[2]; Ahmet Hakan Ateş[1]; Mehmet Levent Şahiner[1]; Ergün Barış Kaya[1]; Enver Atalar[1]; Kudret Aytemir[1]; Lale Tokgözoğlu[3], ([1]Hacettepe University Hospital, Ankara,

Turkey, [2]Beypazarı State Hospital, Ankara, Turkey, [3]Hacettepe University Medical Faculty, Ankara, Turkey)

366 - CORONARY ARTERY DISEASE IS AN INDEPENDENT RISK FACTOR FOR IN-HOSPITAL COVID-19 ALL-CAUSE MORTALITY

Aleksandra Shalaeva; Khilola Mirakhmedova; Nailya Dadabaeva; Sayyora Egamova; Ulugbek Abdullaev; Alisher Shadmanov, (Tashkent Medical Academy, Tashkent, Uzbekistan)

ASSOCIATION OF NEUROPHYSIOLOGICAL PARAMETERS AND NEUROLOGICAL DEFICIENCY IN ATHEROSCLEROTIC CAROTID DISEASE

Nikita Solianik[1]; Igor Suchkov[2]; Alexander Pshennikov[2]; Roman Zorin[2]; Andrey Egorov[2]; Roman Kalinin[2], ([1] Podolsk, Russian Federation, [2]ryazan state medical university, Ryazan, Russian Federation)

ACUTE KIDNEY INJURY PREDICTORS AND THEIR PROGNOSTIC ASSESSMENT IN MEN UNDER 60 WITH MYOCARDIAL INFARCTION

Bolat Tassybayev[1]; Alexey Sotnikov[2]; Alexandr Gordienko[1], ([1]Military medical academy named after S.M. Kirov" of ministry of defense of Russian, Saint-Petersburg, Russian Federation, [2]Military medical academy named after S.M. Kirov" of ministry of defense of Russian, Санкт-Петербург, Russian Federation)

367 - ESSENTIAL ROLE OF CCN2 IN THE TGF-B PATHWAY REGULATION IN VASCULAR SMOOTH MUSCLE CELLS BY ENHANCING TGF-B RECEPTOR TYPE II EXPRESSION.

Antonio Tejera-Muñoz[1]; Laura Marquez-Expósito[2]; Lucía Tejedor-Santamaría[1]; Sandra Rayego-Mateos[1]; Macarena Orejudo[1]; Beatriz Suárez-Álvarez[3]; Carlos López-Larrea[3]; Marta Ruiz-Ortega[1]; Raul Rodrigues-Diez[1], ([1]Instituto de Investigación Sanitaria Hospital Fundación Jiménez Díaz, Madrid, Spain, [2]IIS-Fundación Jiménez Díaz-Universidad Autónoma Madrid, Madrid, Spain, [3]Health research institute of Asturias, Oviedo, Spain)

ANALYSIS OF MRT RESULTS IN PARKINSON'S DISEASE, VASCULAR PARKINSONISM AND CHRONIC ISCHEMIA OF THE BRAIN

Aziz Umirov, (TMA, Tashkent, Uzbekistan)

FEATURES OF CEREBRAL CIRCULATION DISORDERS IN BRACHIOCEPHALIC ARTERY STENOSIS.

Aziz Umirov; Satima Kuranbayeva, (TMA, Tashkent, Uzbekistan)

EARLY ATHEROSCLEROTIC CARDIOVASCULAR DISEASE IN HIGH-RISK WOMEN WITH POLYCYSTIC OVARY SYNDROME

Donna Vine[1]; Paolo Raggi[2]; Harald Becher[2]; Mahua Ghosh[1]; Xiaoying Wu[1], ([1]U of Alberta, Edmonton, Canada, [2]University of Alberta, Edmonton, Canada)

368 - MONOCYTE-DERIVED MACROPHAGES MEDIATE S100A8/A9-INDUCED OXIDATIVE STRESS AND INFLAMMATION IN THE ISCHEMIC MYOCARDIUM

Mihaela Loredana Vlad[1]; Ravan Mares[2]; Alexandra Lazar[1]; Simona-Adriana Manea[3]; Bogdan Preda[4]; Maya Simionescu[4]; Alexandru Schiopu[5]; Adrian Manea[3], ([1]Institute of Cellular Biology and Pathology Nicolae Simionescu, Bucharest, Romania, [2]University of Medicine and Pharmacy of Târgu Mures, Targu-Mures, Romania, [3]Institute of Cellular Biology and Pathology 'Nicolae Simionescu', Bucharest, Romania, [4]Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania, [5]Lund University, Skåne University Hospital, Malmö, Sweden)

COLD-INDUCIBLE RNA-BINDING PROTEIN BUT NOT ITS ANTISENSE LNCRNA IS A DIRECT NEGATIVE REGULATOR OF ANGIOGENESIS VIA REGULATION OF THE 14Q32 ANGIO-MIRS—MICRORNA-329-3P AND MICRORNA-495-3P

Licheng Zhang[1]; Eveline Goossens[1]; Margreet De Vries[1]; Wouter Jukema[2]; Paul Quax[1]; Yael Nossent[1], ([1]Leiden University Medical Center, Leiden, Netherlands, [2]TNO, Leiden, Netherlands)

CPAP TREATMENT DECREASES THE RISK OF ATRIAL FIBRILLATION RECURRENCE IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA AFTER RADIOFREQUENCY ABLATION

Ying Zhou, (China-Japan Friendship Hospital, Beijing, China)

OUR CLINICAL EXPERIENCE AND CASE SERIES OF TAKOTSUBO CARDIOMYOPATHY

Mustafa Zungur[1]; Abdi Sagcan[2]; Mustafa Tumuklu[1]; Seyyid Moghanchizade[1], ([1]PRIVATE KENT HOSPITAL, IZMIR, Turkey, [2]KTO KARATAY UNV., IZMIR, Turkey)

THE BLOOD PROTEO-GENOMIC ARCHITECTURE OF VENOUS THROMBOEMBOLISM

Arnaud Girard[1]; Erik Abner[2]; Hasanga Manikpurage[3]; Eloi Gagnon[4]; Émilie Gobeil[4]; Christian Couture[5]; Patrick Mathieu[6]; Tonu Esko[2]; Benoit Arsenault[6], ([1]Quebec Heart and Lung Institute, L'Ancienne-Lorette, Canada, [2]University of Tartu, Tartu, Estonia, [3]Institut Universitaire de Cardiologie et de Pneumologie de Québec, Québec, Canada, [4]Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec, Quebec city, Canada, [5]Quebec Heart and Lung Institute, Québec, Canada, [6]Université Laval, Québec, Canada)

CUMULATIVE DYSGLYCEMIA, HYPERINSULINEMIA AND INSULIN RESISTANCE WITH ARTERIAL STIFFNESS PROGRESSION IN HEALTHY ADOLESCENTS: THE AVON LONGITUDINAL STUDY OF PARENTS AND CHILDREN (ALSPAC)

Andrew Agbaje, (University of Eastern Finland, Kuopio, Finland)

INTENSITY OF LIPID-LOWERING THERAPY, ADHERENCE AND LDL-CHOLESTEROL GOAL ATTAINMENT IN PATIENTS WITH CORONARY HEART DISEASE

Faizan Mazhar[1]; Paul Hjemdahl[2]; Catherine Clase[3]; Kristina Johnel[4]; Tomas Jernberg[4]; Juan Carrero[2], ([1]Karolinska Institite, Solna, Sweden, [2]Karolinska Institutet, Solna, Sweden, [3]McMaster University, Ontario, Canada, [4]Karolinska Institutet, Stockholm, Sweden)

ASSOCIATION OF COMBINED INTENSITY AND ADHERENCE TO STATIN/EZETIMIBE THERAPY WITH MAJOR ADVERSE CARDIOVASCULAR OUTCOMES IN PATIENTS WITH CORONARY HEART DISEASE

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