

# SUNDAY 19

**BP MEASUREMENTS AND HAEMODYNAMICS      POSTER      Papers SESSION      12**

Sunday, June 19

12.30 - 15.30

1. **HOMOGENEITY OF ANTIHYPERTENSIVE EFFECT OF TWO NIFEDIPINE DRUG FORMS**  
V. Gorbunov, S. Martsevich, E. Alimova, A. Deev  
State Centre Prevent. Med., Moscow, Russian Federation
2. **COMPARISON OF PULSE PRESSURE MEASUREMENTS OBTAINED IN OFFICE WITH SELF OR AMBULATORY BLOOD PRESSURE MONITORING**  
M. Domínguez Sardiña, E. Romera Gómez, R. Díaz Lambarri, J.R. Fernández\*, A. Mojon\*  
Centro de Salud de Sárdoma, Vigo, Spain, \*Lab. Bioingeniería y Cronobiología, ETSIT, Univ. D, Vigo, Spain
3. **MYOCARDIAL TISSUE CHARACTERIZATION IN CHRONIC HEART FAILURE: THE INTEGRATED BACKSCATTER ANALYSIS**  
C. Giannattasio, A. Capra, D. Corsi, V. Scotti, F. Bianchi, L. Viscardi, M. Alloni, A. Vincenzi\*, A. Cirò\*, A. Grieco\*, G. Mancía\*\*  
Clinica Medica Bicocca Univ, S. Gerardo H, Monza-Italy, \*Divisione di Cardiologia Ospedale S. Gerardo, Monza-Italy, \*\*IRCSS Policlinico di Milano, Milan-Italy
4. **DETERMINANTS OF DIFFERENCES IN CENTRAL PULSE PRESSURE OBTAINED FROM SPHYGMOCOR AND PRESSURE WAVE CALIBRATION**  
F. Verbeke, S. Heireman, P. Segers, L.M. Van Bortel  
Ghent University, Ghent, Belgium
5. **PHYSICIAN- AND SELF-MEASURED BLOOD PRESSURE CHANGES IN HYPERTENSIVE IN-PATIENTS DURING HOSPITALIZATION**  
Y. Kotovskaya, N. Bagmanova, N. Plavunov\*, Zh. Kobalava  
Dept Internal Medicine, RPF University, Moscow, \*Moscow Municipal City Hospital no 64, Moscow, Russian Federation
6. **THE ROLE OF ELECTRIC THORACIC BIOIMPEDANCE IN THE CONTROL OF ARTERIAL HYPERTENSION**  
E. Badila, C. Tirziu, M. Stefuriac, A. Georgescu\*, D. Bartos, M. Dorobantu  
Emergency Hospital Bucharest, \*Biology and Cellular Pathology Institute, Bucharest, Romania
7. **CONTRIBUTION OF CONTINUOUS 24 HOURS BLOOD PRESSURE MONITORING IN EVALUATING HYPERTENSIVE PATIENTS WITH END ORGAN INVOLVEMENT**  
D. Iliescu, G. Datcu, M. D. Datcu, M. Poenaru  
Universitary Hospital "Sf. Spiridon", Iasi, Romania
8. **HOME BLOOD PRESSURE MONITORING: A SUITABLE EVALUATION TOOL FOR PROBE DESIGNED TRIALS. COSIMA STUDY**  
G. Bobrie, A. Giacomino\*, N. Postel-Vinay, C. Moulin, R. Asmar\*\*  
HEGP, Paris, \*MG Recherches, Paris, \*\*Cardiovascular Institute, Paris, France
9. **EFFECT OF SMOKING ON THE AGE RELATED EVOLUTION OF BLOOD PRESSURE**  
J.J. Mourad, E.M. Nazal, Y. Gaudouen, E. Leutenegger, M. Safar\*, A. Krivitzky  
CHU Avicenne-APHP, Bobigny CX09, \*Hotel-Dieu, Paris, France
10. **EFFECTS OF INDAPAMIDE SLOW RELEASE ON AMBULATORY BLOOD PRESSURE AND HEART RATE VARIABILITY IN ELDERLY PATIENTS WITH MILD TO MODERATE HYPERTENSION**  
G.I. Storozhakov, O.A. Kisliak, A.M. Alieva  
Russian State Medical University, Moscow, Russian Federation

11. **THE SHORT-TERM REPRODUCIBILITY OF THE WHITE-COAT EFFECT**  
A. Adiyaman, I. Aksoy, J.W.M. Lenders, J. Deinum, Th. Thien  
University Medical Centre, Radboud University, Nijmegen, Netherlands
12. **THE EFFECT OF CROSSING THE LEGS ON SITTING BLOOD PRESSURE MEASUREMENT**  
N. Tosun, A. Adiyaman, L.D. Elving, J.W.M. Lenders, J. Deinum, Th. Thien  
University Medical Centre, Radboud University, Nijmegen, Netherlands
13. **NUMBER OF HOME MEASUREMENTS NEEDED TO IDENTIFY RESPONDERS IN THE OLMETEL STUDY**  
S. Ewald, J. vor dem Esche\*, T. Mengden\*\*  
Sankyo GmbH, München, \*Telemed Project GmbH, Bergisch Gladbach, \*\*University of Bonn, Bonn, Germany
14. **THE SHORT-TERM REPRODUCIBILITY OF THE MASKED EFFECT**  
A. Adiyaman, I. Aksoy, J.W.M. Lenders, J. Deinum, Th. Thien  
University Medical Centre, Radboud University, Nijmegen, Netherlands
15. **TIMING OF WAVE REFLECTIONS AND MYOCARDIAL PERFUSION IN PATIENTS WITH SICKLE CELL ANEMIA**  
D. Lemogoum, J.R. M'Buyamba-Kabangu\*, L. Van Bortel\*\*, M. Leeman, J.P. Degaute, Ph. van de Borne  
Service of Cardiology Erasme Hospital, Brussels, Belgium, \*University of Kinshasa Hospital, Kinshasa, Zaire, \*\*Heymans Institute of Pharmacology, Ghent, Belgium
16. **CHRONOBIOLOGICAL ANALYSIS, HYPERBARIC/HYPOBARIC INDEX, IN EVALUATION OF ANTI-HYPERTENSIVE EFFECT OF LONG-ACTING NIFEDIPINE USING AMBULATORY BLOOD PRESSURE MONITORING**  
S. Seki, M. Taniguchi\*, S. Mochizuki\*  
Aoto Hospital, Jikei University School of Medicine, Tokyo, \*The Jikei University School of Medicine, Tokyo, Japan
17. **THE RECENTLY IDENTIFIED ENDOTHELIALY DERIVED CONSTRICTIVE FACTOR URIDINE ADENOSINE TETRAPHOSPHATE ACTS VIA P2X AND P2Y RECEPTORS**  
G. Giebing, M. Toelle, V. Jankowski, J. Jankowski, W. Zidek, M. van der Giet  
Charite - Campus Benjamin Franklin, Berlin, Germany
18. **PRINCIPAL COMPONENTS ANALYSIS FOR CHARACTERISATION OF THE ARTERIAL PRESSURE PULSE**  
F. Camacho, A. Avolio, A. Walsh  
University of New South Wales, Sydney, Australia
19. **AMBULATORY BLOOD PRESSURE MONITORING AS A PREDICTOR OF THE BLOOD PRESSURE IN ADOLESCENTS: FOLLOWING FOR THREE YEARS**  
E. Silva, S. Briceño, J. Villasmil, P. Anahole  
Instituto Regional de Estudios Cardiovasculares, Maracaibo, Venezuela
20. **CHANGES IN BLOOD PRESSURE VARIABILITY, HEART RATE VARIABILITY AND BAROREFLEX SENSITIVITY ASSOCIATED WITH PHEOCHROMOCYTOMA**  
E. Finta, D. Laude\*, S. Alföldi\*\*, E. Kun\*\*\*, Z. Járjai\*\*, I. Kiss, C. Farsang\*\*, J.L. Elghozi\*  
1st Dept. Int. Med. Szent Imre Hospital, Budapest, Hungary, \*INSERM 652, Faculté de Medecine, Paris, France, \*\*1st Dept. Int. Med. Semmelweis Univ., Budapest, Hungary, \*\*\*South-Buda Health Care Service, Budapest, Hungary
21. **BLOOD PRESSURE VARIABILITY IN PATIENTS WITH ESSENTIAL ARTERIAL HYPERTENSION: EFFECTS OF ANTIHYPERTENSIVE THERAPY**  
I. Emelyanov, S. Villevalde  
Research Institute of Cardiology, St.Petersburg, Russian Federation
22. **CLINICAL RELEVANCE OF 24-HOUR VARIABILITY OF MYOCARDIAL REPOLARIZATION PROCESSES IN PATIENTS WITH HYPERTENSION**  
A. Shabalin, E. Guliaeva\*

Novosibirsk Medical Academy, Kemerovo, \*Clinical Hospital No 1, Penitentiary Headquarters, Kemerovo, Russian Federation

23. **EFFECTS OF 16 WEEKS OF LIFESTYLE MODIFICATION ON CARDIOVASCULAR STRUCTURE AND FUNCTION IN THOSE AT RISK FOR CARDIOVASCULAR DISEASES**  
K. Aizawa, M. Marin, I. Torres Castro, M. Lawrence, J. Manley, L. Piche, K. Shoemaker, R. Petrella  
The University of Western Ontario, London, Canada
24. **OVERWEIGHT AND OBESITY – THE MOST IMPORTANT RISK FACTORS FOR HYPERTENSION IN ADOLESCENTS**  
I. Pecin, B. Heinrich\*, M. Zagrajski-Brkic\*, T. Zeljkovic-Vrkic, B. Jelakovic  
University Hospital Center Zagreb, Zagreb, \*\*"Josip Bencevic" General Hospital, Slavonski Brod, Croatia,
25. **DIFFERENT INFLUENCE OF METABOLIC STATUS, JOB STRAIN AND PERSONALITY CHARACTERISTICS ON THE HYPERTENSION RISK**  
R. Seibt, K. Scheuch  
Dresden University of Technology (DUT), Dresden, Germany
26. **A WAVE TRANSMISSION MODEL APPLIED TO ANALYSIS OF THE RADIAL PRESSURE PULSE**  
F. Camacho, A. Avolio  
University of New South Wales, Sydney, Australia
27. **THE CRONOPRES PROJECT. PRELIMINARY DATA FROM FIRST 5000 ABPM RESULTS**  
Investigators of the CRONOPRES Project  
SEHLELHA, Spain
28. **LARGE ARTERIES STIFFNESS AND BLOOD FLOW CHARACTERISTIC IN MIDDLE CEREBRAL ARTERY**  
A. Kwater, J. Walczewska, T. Grodzicki  
Jagiellonian University, Medical College, Kraków, Poland
29. **EVALUATION OF RECOMMENDED INDICATIONS FOR AMBULATORY BLOOD PRESSURE MONITORING IN A NATIONAL HEALTH SERVICE SETTING**  
G. Pannarale, L. Gianturco, A. Evangelista, F. Corsi  
Cardiovascular Departments, La Sapienza University, Rome, Italy
30. **EFFECTS OF SMOKING ON ARTERIAL STIFFNESS IN CHRONIC SMOKERS WITH HYPERTENSION**  
M. Rhee, B. Park, M. Lee, Y. Kim  
Dankook University, College of Medicine, Cheonan, Republic of Korea
31. **MORNING BLOOD PRESSURE ELEVATION IS INFLUENCED BY PRECEDING CHANGE OF AUTONOMIC CARDIOVASCULAR MODULATION**  
T. Takagi, M. Ohishi, N. Itoh, M. Kaibe, Y. Tatara, M. Terai, H. Rakugi, T. Ogihara  
Osaka University Graduate School of Medicine, Suita, Japan
32. **FEASIBILITY AND PHYSICIANS' ACCEPTABILITY OF WEB-BASED HOME BLOOD PRESSURE TELEMONITORING: THE MOREPRESS EXPERIENCE**  
S. Omboni, A. Fantoni, E. Puglisi, A. Maronati\*, G. Mancia\*\*, G. Parati\*\*\*  
Data Management Department, Docleader, Varese, \*Istituto Auxologico Italiano, Milan, \*\*Dept. of Clinical Medicine, Univ. of Milano-Bicocca, Monza, \*\*\*Cardiology II, S. Luca Hosp., Ist. Auxologico Italiano, Milan, Italy
33. **SIMILAR CLINIC BLOOD PRESSURE CONTROL DO NOT INDICATE THE SAME REDUCTION IN WHOLE-DAY AMBULATORY MONITORING IN MILD TO MODERATE UNCOMPLICATED HYPERTENSIVE PATIENTS: GENDER DIFFERENCES**  
S. Etori, G. Zanolini\*, N. Sala\*, C. Formaini Marioni\*, G. Damiani, R. Costa, M. Crippa, R. Fariello\*  
Dept. Internal Medicine, Spedali Civili, Brescia, \*U.O. Medicina Interna, A.O. Mellini Mellini, Chiari, Italy
34. **HEMODYNAMIC AND METABOLIC EFFECTS OF COMPLEX THERAPY WITH MOXONIDIN AND**

**HORMONAL REPLACEMENT THERAPY IN POSTMENOPAUSAL WOMAN WITH HYPERTENSION**

A.B. Bakhshaliyev, G.M. Sabzaliyeva  
SRI of Cardiology, Baku, Azerbaijan

35. **PREVALENCE OF WHITE COAT HYPERTENSION IN MILD ESSENTIAL HYPERTENSION**  
T. Željko Vrkic, B. Jelakovic, M. Laganovic, M. Kašner, G. Boršo, D. Kuzmanic  
University Hospital Center Zagreb, Zagreb, Croatia
36. **IMPAIRMENT OF THE AMBULATORY BLOOD PRESSURE PARAMETERS IN PATIENTS WITH CONGESTIVE HEART FAILURE**  
C. Podoleanu, D. Podoleanu, A. Incze, E. Carasca  
Clinica Medicala nr 4, Targu Mures, Romania
37. **RELATIONSHIP BETWEEN CARDIOVASCULAR RISK FACTORS AND ELEVATED AWAKENING BLOOD PRESSURE**  
C. Majul, F. Casas, H. Avaca, O. Manuale, G. Ferrari, S. Pelazas, A. Freijomil, J. Humphreys  
Hospital Britanico, Buenos Aires, Argentina
38. **CHANGES IN FLOW MEDIATED VASODILATATION DURING ANTIHYPERTENSIVE TREATMENT ARE RELATED TO THE SMOOTHNESS INDEX, BUT NOT THE TROUGH-TO-PEAK RATIO OF BLOOD PRESSURE**  
M.L. Muesan, D. Rizzoni, M. Salvetti, E. Porteri, C. Monteduro, A. Paini, P. Poisa, B. Bonzi, G. Galbassini, E. Agabiti-Rosei  
Internal Medicine, University of Brescia, Brescia, Italy
39. **RELATIONSHIP BETWEEN BMI AND BLOOD PRESSURE IN SCHOOL AGED OF ZANJANIAN CHILDREN**  
P. Khoshnevis Asl, H. Babaei, M. Sadeghzadeh, S. Kavandi\*  
Vali Asr Hospital, Zanjan, Iran (Islamic Republic of), \*Zanjan University, Humanity Faculty, Zanjan, Iran (Islamic Republic of)
40. **ASSESSMENT OF HIGH BLOOD PRESSURE RISK FOR STROKE**  
B. Fiser, J. Siegelova, J. Dusek, J. Moudr, G. Cornelissen\*, F. Halberg\*  
St. Anna Hosp.MU, Brno, Czech Republic, \*University of Minnesota, Minnesota, USA
41. **AMBULATORY BLOOD PRESSURE MONITORING LASTING SEVEN DAYS**  
J. Dusek, J. Siegelova, P. Homolka, B. Fiser, P. Vank, M. Masek, G. Cornelissen\*, F. Halberg\*  
St. Anna Hosp.MU, Brno, Czech Republic, \*University of Minnesota, Minnesota, USA
42. **USE OF AMBULATORY BLOOD PRESSURE MONITORING TO ESTABLISH WHITE COAT EFFECT IN DIABETIC AND NON DIABETIC HYPERTENSIVE PATIENTS**  
I. Vagropoulos, M. Giavropoulou, M. Giannadaki, N. Grigoriadis  
Serres General Hospital, Serres, Greece
43. **HOW LONG SHALL THE PATIENT REST BEFORE CLINIC BLOOD PRESSURE MEASUREMENT?**  
C. Sala, E. Santin, M. Rescaldani, F. Magrini  
Ist. Medicina Cardiovascolare, University of Milan, Milan, Italy
44. **NORMALIZATION OF THE SMOOTHNESS INDEX TO IMPROVE ROBUSTNESS AND INTERPRETABILITY**  
M. Aboy, J.R. Fernández, R. Hermida  
Bioengineering & Chronobiology Labs., Vigo, Spain
45. **ISOLATED SYSTOLIC HYPERTENSION IN THE ELDERLY IN THE ZULIA STATE OF VENEZUELA**  
E. Silva, S. Briceño  
Instituto Regional de Estudios Cardiovasculares, Maracaibo, Venezuela
46. **EFFECTS OF THE CIRCADIAN TIME OF ANTIHYPERTENSIVE TREATMENT ON**

**THE AMBULATORY BLOOD PRESSURE PATTERN OF ELDERLY PATIENTS WITH ESSENTIAL HYPERTENSION**

C. Calvo, R. Hermida\*, D.E. Ayala\*, M. Covelo, M. Rodríguez, A. Mojón\*, J.R. Fernández\*, I. Alonso\*, M.J. Fontao\*, R. Soler\*, J.E. López  
Hypertension Unit, Hospital Clinico, Santiago, \*Bioengineering & Chronobiology Labs., Vigo, Spain

47. **INTRAFAMILIAL AGGREGATION OF ARTERIAL CHARACTERISTICS**

J. Kucerova, J.A. Staessen\*, T. Kuznetsova\*, L. Thijs\*, M. Maseko\*\*, G. Norton\*\*, K. Stolarz\*\*\*, W. Wojciechowska\*\*\*, M. Ticha, R. Fagard\*, K. Kawecka-Jaszcz\*\*\*, A. Woodiwiss\*\*, J. Filipovsky  
Faculty of Medicine in Pilsen, Charles University, Plzen, Czech Republic, \*University of Leuven, Leuven, Belgium, \*\*Department of Internal Medicine and Gerontology, J, Cracow, Poland, \*\*\*First Cardiac Department, Jagiellonian University, Cracow, Poland

Sunday, June 19

12.30 - 15.30

48. **GENETIC PREDISPOSITION TO HYPERTENSION INFLUENCES LEFT VENTRICULAR DIASTOLIC FUNCTION DURING ANTIHYPERTENSIVE THERAPY**  
A. Maresca, E. Laurita, C. Marchesi, F. Solbiati, E. Nicolini, A. Grandi  
Dept. Clinical Medicine, University of Insubria, Varese, Italy
49. **AEROBIC TRAINING CORRECTS ALTERATIONS IN CARDIAC STRUCTURE INDUCED BY AGE AND HYPERTENSION**  
R. Oliveira, R. Caffaro\*, E. Oliveira\*\*, S. do Amaral\*\*\*, L. Michelini\*, V. Lahera, L. Venturini Rossoni\*  
Dept. of Physiology, UCM, Madrid, Spain \*Dept. of Physiological Sciences, USP, Sao Paulo, Brazil, \*\*Dept. of Physical Education, USP, Sao Paulo, Brazil, \*\*\*Dept. of Physical Education, UNESP, Bauru, Brazil
50. **EARLY DETECTION OF HYPERTENSIVE HEART DISEASE BY MEASURING REGIONAL MYOCARDIAL DIASTOLIC DYSFUNCTION**  
J. Separovic-Hanzevacki, M. Cikes, M. Lovric-Bencic, B. Jelakovic, I. Biskup, L. Bobic  
University Hospital Rebro, Zagreb, Croatia
51. **HISTORY OF HYPERTENSION AND 5-YEAR NON SUDDEN CARDIOVASCULAR MORTALITY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION**  
G. Berton, R. Cordiano\*, R. Palmieri\*, S. Petucco\*\*, V. Pagliara, A. Biagini\*\*\*, P. Mormino\*\*\*\*, P. Palatini\*\*\*\*  
Cardiology Dept., Conegliano, \*Internal Medicine and Cardiology Dept., Adria, \*\*Cardiology Dept., Bassano, \*\*\*Cardiology Dept., Cairo Montenotte, \*\*\*\*Clinica Medica IV, University of Padua, Padua, Italy
52. **DETERMINANTS AND CLINICAL RELEVANCE OF HEART RATE VARIABILITY OVER 24 HOURS IN HYPERTENSIVE PATIENTS**  
G. Bilo(6), K. Styczkiewicz(3), A. Giglio(2), L. Lonati(2), G. Mancina(5), K. Kawecka-Jaszcz(4), G. Parati(1)  
(1)Univ. Milano-Bicocca, Ist. Auxologico It, Milano-Italy, (2)Istituto Auxologico Italiano, Milano-Italy, (3)I Cardiac Dept. Jagiellonian Univ., Ist. Auxol. It, Milano-Italy, (4)I Cardiac Dept., Jagiellonian Univ., Cracow-Poland, (5)Univ. of Milan, Clinica Medica-Ospedale S.Gerardo, Monza-Italy, (6)Uni. Milano-Bicocca, I Card. D. Jagiellonian Univ., Milan-Italy
53. **CLINICAL CHARACTERISTICS OF HEART FAILURE PATIENTS IN PRIMARY CARE OFFICES. CARDIOPRES STUDY**  
J. Aznar Costa, G. Rodríguez Roca\*, J.L. Llisterra Caro\*, J. Alonso Moreno\*, S. Lou Arnal\*, A. Raber Bejar\*\*, A. Matali Gilarranz\*, R. De Castellar Sansó\*\*\*  
Hospital Nuestra Sra. de Gracia, Zaragoza, \*Grupo de Trabajo de HTA de SEMERGEN, Madrid, \*\*Medical Department Almirall, Barcelona, \*\*\*Biométrica, Barcelona, Spain
54. **EFFECT OF TREATMENT ON LEFT VENTRICULAR STRUCTURE AND FUNCTION AS ASSESSED BY CONVENTIONAL ECHOCARDIOGRAPHY AND MYOCARDIAL ACOUSTIC DENSITOMETRY IN PATIENTS WITH PRIMARY ALDOSTERONISM**  
M. Salvetti, M.L. Muiesan, A. Paini, C. Monteduro, B. Bonzi, P. Poisa, G. Galbassini, B. Stanga, E. Porteri, D. Rizzoni, M. Castellano, E. Agabiti Rosei  
Università di Brescia, Brescia, Italy
55. **MITRAL WAVE PROPAGATION VELOCITY: A USEFUL PARAMETER IN DIFFERENTIATING NORMAL FROM "PSEUDO-NORMAL" DIASTOLIC FILLING PATTERNS**  
L. Martins, F. Pinto, J. Santos Mendes  
Hospital S. Sebastiao, Santa Maria da Feira, Portugal
56. **TRADITIONAL GREEK DANCES AS AN ALTERNATIVE MODE OF EXERCISE**  
L. Soubassi, S. Soubassi, O. Papazachou, M. Douli, V. Kotsis, S. Nanas, A. Mailis, P. Toutouzas, P. Soubassis, C. Roussos, D. Kokkinos  
Athens, Greece

57. **CHANGES IN BNP LEVELS FOLLOWING THE ADDITION OF CANDESARTAN CILEXETIL IN DIASTOLIC HEART FAILURE PATIENTS: BASELINE DATA**  
 J.P. Baguet, R. Isnard\*, S. Nisse-Durgeat\*\*  
 University Hospital, Grenoble, \*Pitie-Salpetriere Hospital, Paris, \*\*Takeda, Puteaux, France
58. **LEFT VENTRICULAR FUNCTION AND GEOMETRIC PATTERNS IN ELDERLY PATIENTS WITH HYPERTENSION**  
 D. Degli Esposti, E. Strocchi, N. Fiumi, A. Dormi, S. Bacchelli, D. Maione, E. Cosentino, C. Borghi, E. Ambrosioni  
 S.Orsola Hospital, University of Bologna, Bologna, Italy
59. **THE PREVALENCE AND RISK FACTORS OF LEFT VENTRICULAR HYPERTROPHY IN CHRONIC RENAL FAILURE (CRF)**  
 M. Tase, M. Gjata\*, A. Idrizi\*, M. Barbullushi\*  
 Service of Internal Medicine, UHC, Tirana, \*Service of Nephrology, UHC, Tirana, Albania
60. **CHANGES IN QTC DISPERSION DURING SIX YEARS FOLLOW-UP IN HYPERTENSIVE PATIENTS**  
 D. Djordjevic, B. Lovic, I. Tasic, S. Ilic, M. Deljanin Ilic  
 Institute "Niska Banja", Niska Banja, Yugoslavia
61. **DIFFERENCE BETWEEN THREE ECHOCARDIOGRAPHIC METHODS OF LEFT VENTRICULAR MASS CALCULATION**  
 D. Basgopal, A. Safarova\*, E. Kotrovina, Y. Kotovkaya, Zh. Kobalava, V. Moiseev  
 Dept. Internal Medicine, RPF University, Moscow, \*Moscow Municipal City Hospital no 64, Moscow, Russian Federation
62. **SAFETY AND DIAGNOSTIC VALUE OF DOBUTAMINE STRESS ECHOCARDIOGRAPHY IN PATIENTS WITH HYPERTENSION**  
 O.O. Nemchyna, M.I. Lutay, O.V. Tsyzh, I.P. Golikova  
 Strazhesko Institute of Cardiology AMS of Ukraine, Kyiv, Ukraine
63. **LEFT VENTRICULAR STRUCTURE AND FUNCTION AND DEVELOPMENT OF PREGNANCY-RELATED HYPERTENSIVE DISORDERS IN PREGNANT WOMEN WITH ALTERATED UTERO-PLACENTAL FLOW**  
 D. Degli Esposti, V. Immordino, A. Carletti\*, T. Galli\*, A. Dormi, M. Veronesi, S. Bacchelli, C. Borghi, E. Ambrosioni  
 Dept. of Internal Medicine, University of Bologna, \*Dept.Obstetric & Gynaecology, University of Bologna, Bologna, Italy
64. **MICROALBUMINURIA AND LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVE PATIENTS WITH OBSTRUCTIVE SLEEP APNEA**  
 O. Ritari, N. Zvartau, Y. Svityaev, N. Mercurlova, M. Suchina, A. Kalinkin\*, A. Conrady  
 Research Institute of Cardiology, St.Petersburg, \*Clinical Hospital 83, Moscow, Russian Federation
65. **QT INTERVAL DISPERSION AND SIGNAL – AVERAGED ECG PARAMETERS IN HYPERTENSIVE SUBJECTS WITH LEFT VENTRICULAR HYPERTROPHY**  
 V. Popov, N Bulanova, N. Kopitsa\*, G. Ivanov, A. Radzevich  
 Moscow State University of Medicine, Moscow, Russian Federation, \*Ukrainian Research Institute of Therapy, Kharkow, Ukraine
66. **EXTENT AND SEVERITY OF CORONARY LESIONS AND CARDIOVASCULAR RISK FACTORS IN HYPERTENSIVE PATIENTS**  
 H. Jaagus, A. Reinold, S. Margus, A. Ader, S. Sildmäe, M. Kiitam, A. Mesikepp, I. Loogna  
 East-Tallinn Central Hospital, Tallinn, Estonia
67. **INFLAMMATORY RESPONSE IN HYPERTENSIVE PATIENTS WITH STEMI TREATED WITH PRIMARY ANGIOPLASTY**  
 M. Pyda, M. Lanocha, Z. Sarnowska, O. Trojnariska, J. Witowski\*, A. Breborowicz\*, M. Lesiak, S. Grajek, A. Tykarski\*\*  
 I Clinic of Cardiology, Poznan, \*Department of Pathophysiology, Poznan, \*\*Clinic of Hypertension, Poznan, Poland

68. **THE TIME INTERVAL BETWEEN THE ONSET OF EARLY DIASTOLIC MITRAL ANNULAR VELOCITY AND MITRAL INFLOW: IS THIS NEW MARKER OF LEFT VENTRICULAR RELAXATION REALLY PRELOAD INDEPENDENT IN HEALTHY SUBJECTS**  
J.C. Lubanda, T. Palecek, A. Linhart, R. Trckova, M. Aschermann  
General Teaching Hospital, Charles University, Prague, Czech Republic
69. **INVOLVEMENT OF CARDIOTROPHIN-1 IN THE CONCENTRIC LEFT VENTRICULAR HYPERTROPHY OF THE SPONTANEOUSLY HYPERTENSIVE RAT**  
N. Lopez, J. Diez, M.A. Fortuño  
Centre for Applied Medical Research (CIMA), Pamplona, Spain
70. **EARLY CHANGES IN DIASTOLIC FUNCTION IN PATIENTS WITH BORDERLINE HYPERTENSION**  
M. Otljanska, S. Jovanova, E. Hristova, D. Proevska  
Institute of Cardiovascular Diseases, Skopje, F.Y. Rep. of Macedonia
71. **REGRESSION OF LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WHO AGREED TO HAVE REPEAT EXAMINATION AT 5 YEARS AFTER TREATMENT IN SPECIALIZED HYPERTENSIVE UNIT**  
G. Radchenko, Yu. Sirenko  
Institute of Cardiology, Kiev, Ukraine
72. **ALDOSTERONE RELEASE DURING HEAD UP TILT IS RELATED TO LEFT VENTRICULAR DIASTOLIC FUNCTION**  
B.M.W. Schmidt, T. Kalizki, A. Rastätter, T.K. Schwarz, R.E. Schmieder  
Medical Dept. IV, University Erlangen-Nürnberg, Nürnberg, Germany
73. **TRANSIENT MYOCARDIAL ISCHEMIA IS LINKED TO INCREASED WAVE VELOCITY, BUT NOT TO AUGMENTATION INDEX AND STIFFNESS INDEX**  
J. Baulmann, R. Homsí, S. Rickert, U. Schillings, S. Ün, R. Düsing, H. Vetter, T. Mengden  
University of Bonn, Medizinische Poliklinik, Bonn, Germany
74. **A COMPARISON OF ISCHEMIC THRESHOLD AS DETERMINED BY EXERCISE TEST AND CARDIOTENS MONITORING IN HYPERTENSIVE PATIENTS**  
S. Uen, B. Weisser\*, I. Un\*\*, J. Baulmann, H. Vetter, T. Mengden  
University of Bonn, Bonn, Germany, \*University of Kiel, Kiel, Germany, \*\*Kocaeli Devlet Hastanesi, Kocaeli, Turkey
75. **COMPARATIVE STUDY OF ANTIHYPERTENSIVE TREATMENT REGIMENS ON VASCULAR REACTIVITY**  
V. Aursulesei, G. Datcu, M.D. Datcu  
Universitary Hospital "Sf. Spiridon", Iasi, Romania
76. **THE ROLE OF THREE-DIMENSIONAL ECHOCARDIOGRAPHY IN THE LEFT VENTRICULAR MASS EVALUATION. A COMPARISON WITH MAGNETIC RESONANCE IMAGING**  
M. Saidova, J. Botvina, O. Stukalova, V. Sinitsin  
Cardiology Research Complex, Moscow, Russian Federation
77. **CORONARY ANGIOGRAPHY IN HYPERTENSIVE PATIENTS. IS LEFT VENTRICULAR HYPERTROPHY CORRELATED WITH PREVALENCE AND SEVERITY OF CORONARY ARTERY DISEASE?**  
P. Nowicki, J. Arkowski, A. Derkacz, H. Nowosad  
Medical University, Wrocław, Poland
78. **HEART REMODELLING AND TARGET BLOOD PRESSURE IN HYPERTENSIVE PATIENTS**  
V. Paulava, I. Korobko, M. Liventseva, T. Nechesova  
Republic Research and Practical Center "Cardiology", Minsk, Belarus
79. **ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE IN ITALIAN HYPERTENSIVE PATIENTS – THE HEALTH ECONOMIC PERSPECTIVE**

M. Lamotte, L. Annemans, T. Evers\*, M. Kubin\*  
IMS Health, Brussels, Belgium, \*Bayer Healthcare AG, Wuppertal, Germany

80. **LEFT ATRIUM AND DIASTOLIC DYSFUNCTION IN HYPERTENSIVE HEART DISEASE**

L. Martins, F. Pinto, J. Santos Mendes  
Hospital S. Sebastiao, Santa Maria da Feira, Portugal

Sunday, June 19

12.30 - 15.30

81. **SILDENAFIL PROMOTES BRACHIAL ARTERY VASODILATATION SIMILAR TO ENDOGENOUS NO IN REFRACTORY HYPERTENSIVES (RH)**  
J. Yugar-Toledo, S. Ferreira-Melo, O. Rizzi Coelho\*, M. Irigoyen\*\*, H. Moreno Jr  
Department of Pharmacology UNICAMP, Campinas SP, Brazil, \*Department of Cardiology UNICAMP, Campinas SP, Brazil \*\*InCor, USP, São Paulo, Brazil,
82. **ENDOTHELIAL FUNCTION IN HYPERTENSIVE AND NORMOTENSIVE POSTMENOPAUSAL WOMEN**  
O. Kolesnik, E. Baranova, O. Bolshakova, A. Katsap  
Saint-Petersburg Medical University, Saint-Petersburg, Russian Federation
83. **RELATIONSHIP OF THE TOTAL CARDIOVASCULAR RISK INDEX WITH THE RETINAL ARTERIOVENOUS RATIO IN GRADE I-II HYPERTENSION**  
M. Rodríguez Fernández, A. Pose Reino, F. Gómez Ulla, B. Hayik, I. Méndez Naya, J.C. Estévez, J. Lado, C. Pastor  
Gerontologic Research Group, Univ. of Santiago, Santiago de Compostela, Spain
84. **EVIDENCE FOR CONSTRICTIVE ET-B RECEPTORS IN THE SKIN MICROCIRCULATION OF PATIENTS WITH ATHEROSCLEROSIS**  
A. Mitchell, U. Ruzhentsova, N. Detmer, T. Philipp, R.R. Wenzel\*  
Essen University Hospital, Essen, Germany, \*Allgem. öff. Krankenhaus, Zell am See, Austria
85. **IMPROVEMENT OF VASCULAR REACTIVITY BY PROPRANOLOL IN HYPERTENSION INDUCED BY PROLONGED NITRIC OXIDE BLOCKADE**  
F.B.M. Priviero, F.Z.T. Monica, C.E. Teixeira\*, M.A. Claudino, G. De Nucci, A. Zanesco\*\*, E. Antunes  
Dept. of Pharmacology, UNICAMP, Campinas (SP)-Brazil, \*Dept. of Physiology, Medical College of Georgia, Augusta, USA, \*\*Dept. Physical Education, UNESP, Rio Claro, Brazil
86. **THE RELATIONSHIP BETWEEN ENDOTHELIUM-DEPENDENT VASODILATION AND HYPERTROPHY WALL OF VESSELS**  
T. Ripp, V. Mordovin, M. Soldatenko, R. Karpov  
Institut of Cardiology, Tomsk, Russian Federation
87. **INCREASED CIRCULATING CONCENTRATIONS OF ASYMMETRIC DIMETHYL ARGININE (ADMA) IN WHITE COAT HYPERTENSION**  
A. Curgunlu, H. Uzun, I. Bavunoglu, Y. Karter, H. Genc, S. Vehiyd  
Cerrahpasa Medical Faculty, Istanbul, Turkey
88. **RELATIONSHIP OF THE RETINAL ARTERIOVENOUS RATIO WITH OTHER VASCULAR RISK FACTORS IN HYPERTENSIVE PATIENTS**  
A. Pose-Reino, M. Rodríguez Fernández, F. Gómez Ulla, B. Hayik, J.C. Estévez, I. Méndez Naya, J.M. López Pérez, J.M. López Lago  
Gerontologic Research Group, Univ. of Santiago, Santiago de Compostela, Spain
89. **ENDOTHELIAL DYSFUNCTION AND INFLAMMATORY MARKERS IN HYPERTENSIVE PATIENTS WITH THE CHRONIC HEART FAILURE**  
D. Skultetyova, S. Filipova, I. Riecansky  
Slovak Institute of Cardiovascular Diseases, Bratislava, Slovakia
90. **INFLAMMATION MEDIATES THE LINK BETWEEN ENDOTHELIAL DYSFUNCTION AND MILD TO MODERATE RENAL INSUFFICIENCY IN ESSENTIAL HYPERTENSION**  
F. Perticone, R. Maio, G. Tripepi\*, C. Zoccali\*  
Cardiology Unit "Morelli Hospital", Reggio Calabria, \*CNR-IBIM, Reggio Calabria, Italy
91. **ASSESSMENT OF NO-SYNTHASE GENE POLYMORPHISM WITH VASOPROTECTIVE EFFICIENCY OF NEBIVOLOL IN HYPERTENSIVE PATIENTS**  
M. Eliseyeva, G. Khamidullaeva, I. Karimova, G. Abdullaeva  
Republic Center of Cardiology, Tashkent, Uzbekistan

92. **A SHORT-TERM IMPROVEMENT OF ENDOTHELIAL DYSFUNCTION IN RHEMATOID ARTHRITIS BY INFLIXIMAB**  
N. Komai, Y. Morita, T. Sakuta, A. Kuwabara, T. Sasaki, N. Kashihara  
Kawasaki Medical School, Kurashiki-shi, Japan
93. **ENDOTHELIAL DYSFUNCTION IN MITOCHONDRIAL DISEASES: BIOLOGICAL AND BIOCHEMICAL EVIDENCE OF INCREASED OXIDATIVE STRESS AND PEROXYNITRITE GENERATION**  
P. Minuz, G. Vartemi\*, M. Riccadonna, G. Arcaro, P. Tonin\*, A. Menguzzi, A. Lechi, N. Rizzuto\*, G. Tomelleri\*  
Dept. Biomedical Sciences, University of Verona, \*Dept. Neurological Sciences, University of Verona, Verona, Italy
94. **PRESENCE OF LOW FLOW-MEDIATED DILATION IN SUBJECTS WITH LOW BLOOD PRESSURE**  
M. Laclaustra, J.C. Kaski\*, P.G. Masci\*, A. Frangi\*\*, J.A. Casasnovas, I.J. Ferreira, P. Cia\*\*\*  
Cardiovascular Reseach U. University Clinical Hosp, Zaragoza, Spain, \*Cardiology, St.George's Hospital Medical School, London, UK, \*\*Dept. of Technology, Pompeu Fabra University, Barcelona, Spain, \*\*\*Intern. Med. A, University Clinical Hosp., Zaragoza, Spain
95. **RAMIPRIL DOSE-DEPENDENTLY INCREASES NITRIC OXIDE AVAILABILITY IN THE RADIAL ARTERY OF ESSENTIAL HYPERTENSIVE PATIENTS**  
L. Ghiadoni, A. Magagna, D. Versari, I. Kardasz, Y. Plantinga, A. Viridis, S. Taddei, A. Salvetti  
University of Pisa, Pisa, Italy
96. **LOCAL PERFUSION IN THE FINGERTIP: A NEW TECHNIQUE FOR ENDOTHELIAL FUNCTION ASSESSMENT**  
E. Lima Jr., J.R. Faria Neto, M.O. Nogueira, C.A. Engelhorn  
Pontifical Catholic University of State of Parana, Curitiba, Brazil
97. **PERIPHERAL ARTERIAL BLOOD FLOW AND ENDOTHELIUM-DEPENDENT VASODILATION IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
I. Shkurat  
Strazhesko Institute of Cardiology, Kyiv, Ukraine
98. **RELATION BETWEEN CORONARY FLOW RESERVE AND MIDWALL MECHANICS**  
A. D'Errico, M. Galderisi, S. Cicala, C. Romano, M. Sidiropulos, M. Pardo, G. de Simone, O. de Divitiis  
Federico II University, Naples, Italy
99. **DIURNAL INTERLEUKIN-6 PROFILE AFFECTS BASELINE C-REACTIVE PROTEIN LEVEL IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA BUT NOT IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
P. Jedrusik, H. Berent, K. Kuczynska, M. Dutkiewicz-Raczkowska, B. Symonides, J. Lewandowski, P. Gryglas, B. Wocial  
Dept. Hypertension, Medical University of Warsaw, Warsaw, Poland
100. **NOCTURNAL INTERLEUKIN-6 PEAK IN PATIENTS WITH ESSENTIAL HYPERTENSION IS SIGNIFICANTLY HIGHER IN NON-DIPPERS COMPARED TO DIPPERS**  
P. Jedrusik, M. Dutkiewicz-Raczkowska, H. Berent, K. Kuczynska, B. Symonides, P. Gryglas, J. Lewandowski, B. Wocial  
Dept. Hypertension, Medical University of Warsaw, Warsaw, Poland
101. **FIXED COMBINATION OF PERINDOPRIL AND INDAPAMIDE IMPROVES ENDOTHELIUM-DEPENDENT VASODILATION OF BRACHIAL ARTERY IN HYPERTENSION**  
L. Ghiadoni, I. Kardasz, A. Magagna, S. Taddei, A. Salvetti  
University of Pisa, Pisa, Italy
102. **IMPROVEMENT OF CORONARY FLOW RESERVE AFTER SHORT-TERM SIMVASTATIN IN HYPERTENSIVE-HYPERCHOLESTEROLEMIC PATIENTS**  
M. Galderisi, S. Mondillo\*, S. Cicala, M. Parisi, A. D'Errico, P. Innelli, F. Dello Vicario, G. de Simone, O. de Divitiis

103. **IMPACT OF VITAMIN C AS AN ANTIOXIDATIVE AGENT ON RENAL HEMODYNAMICS IN NORMOTENSIVE AND HYPERTENSIVE SUBJECTS**  
T.G. Schäufele, C. Delles, B.M.W. Schmidt, E.H. Fleischmann, R.E. Schmieder  
Department of Medicine IV, University Erlangen, Erlangen, Germany
104. **HAEMOSTASIS BALANCE DISORDERS IN SUBJECTS WITH WHITE-COAT HYPERTENSION**  
T. Makris, E. Gialafos, E. Sanidas, P. Krespi, I. Paizis, O. Papazachou, A. Hatzizacharias, V. Votteas  
Laiko Hospital, Athens, Greece
105. **INVOLVEMENT OF VON WILLEBRAND FACTOR AND ACTIVATED THROMBOCYTES IN HYPERTENSIVE PATIENTS WITH TYPE 2 DIABETES MELLITUS**  
A. Vintila, M. Muraru, S. Avram, H. Bumbea, I. Culea\*, I. Bruckner Coltea  
Clinical Hospital, Bucharest, \*Institute of Haematology, Bucharest, Romania
106. **ENDOTHELIAL FUNCTION EVALUATION OF NORMOTENSIVE SUBJECTS WITH AND WITHOUT FAMILIAL HISTORY OF HYPERTENSION AND ITS ASSOCIATION WITH ANGIOTENSIN-I CONVERTING ENZYME (ACE) PROFILE IN URINE**  
D.E. Casarini, A.M.S. Teixeira, F.B. Fernandes, D.M.J. Christofalo, S.A. Ajzen, F.L. Plavnik  
Universidade Federal de Sao Paulo, Sao Paulo, Brazil
107. **AT-1 RECEPTOR ANTAGONISM WITH CANDESARTAN CILEXITIL IMPROVES ENDOTHELIAL FUNCTION IN PATIENTS WITH HYPERTENSION AND CORONARY ARTERY DISEASE: A DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL**  
L. Corrado, P. Perrone Filardi, G. Brevetti, A. Silvestro, M. Cafiero, G. Caiazzo, A. Petretta, M. Polimeno, A. Zarrilli, R. Camerino, A. Maglione, C. Monda, G. Guerra, G. Fiumara, M. Chiariello  
AOU Federico II University, Naples, Italy
108. **SOLUBLE CELL ADHESION MOLECULES IN HYPERTENSIVE LEFT VENTRICULAR**  
I. De Roma, A. Aprile, B. Lamacchia, G. Ranieri  
DIMO - Internal Medicine, University of Bari, Bari, Italy

Sunday, June 19

12.30 - 15.30

109. **WORRYING STATE OF HEALTH HABITS AND KNOWLEDGE AMONG TRICITY YOUTHS**  
M. Bogowicz, L. Matwiejczyk, M. Krawczyk, K. Chwojncki, A. Ignaszewska-Wyrzykowska, B. Wyrzykowski, T. Zdrojewski  
Medical University of Gdansk, Gdansk, Poland
110. **REDUCTION OF ARTERIAL HYPERTENSION, HYPERCHOLESTEROLEMIA AND QUITTING SMOKING COULD DECREASE FATAL CVD RISK LEVEL FOR 50%**  
M. Rutkowski, T. Zdrojewski, A. Ignaszewska-Wyrzykowska, L. Wierucki, P. Bandosz, R. Karpinski\*, W. Krupa\*\*, I. Plewako\*, B. Krupa-Wojciechowska, B. Wyrzykowski  
Medical University of Gdansk, Gdansk, \*City Hall in Sopot, \*\*SPZOZ in Sopot, Sopot, Poland
111. **PRESCRIBING PATTERNS OF ANTIHYPERTENSIVE DRUGS IN A HYPERTENSION UNIT**  
P. Stafilas, P. Sarafidis, A. Lasaridis, P. Zebekakis, A. Diamantopoulos, A. Kanaki  
AHEPA University Hospital, Thessaloniki, Greece
112. **RELATIONSHIP BETWEEN BLOOD PRESSURE VARIATION AND CATECHOLAMINES IN CENTENARIAN SUBJECTS**  
H. Mitsubayashi, H. Kawamura, Y. Ozawa\*, Y. Izumi\*, M. Jumabay\*, X. Zhang\*\*, M. Yassen\*\*  
Nippon Dental University School of Dentistry, Tokyo, \*Nihon University School of Medicine, Tokyo, Japan, \*\*Xinjiang Medical University, Urumqi, China
113. **PREVALENCE OF CARDIOVASCULAR RISK FACTORS ASSOCIATED TO HYPERTENSION IN THE ALGERIAN POPULATION A NATIONAL SURVEY**  
S. Benkhedda, A. Chibane, A. Atif, M. Temmar, T. Aicheur, N. Bendaoud, S. Latreche, J. Abbou, J. Ziari, K. Merad  
Cardiology Division, Hopital Mustapha, Algiers, Algeria
114. **ASSOCIATION OF ARTERIAL HYPERTENSION WITH VISCERAL OBESITY: ESTIMATES FROM REPRESENTATIVE SURVEY IN POLAND IN 2002**  
Z. Babinska, T. Zdrojewski, P. Bandosz, A. Manikowski\*, R. Konarski\*, B. Wyrzykowski  
Medical University of Gdansk, Gdansk, \*Center for Social Research, Sopot, Poland
115. **MEAN PREDIALYSIS ARTERIAL PRESSURE AND SURVIVAL IN HEMODIALYZED PATIENTS OF WESTERN SWITZERLAND**  
P. Saudan, M. Kossovski, G. Halabi\*, JP. Wauters\*\*, PY. Martin  
University Hospitals of Geneva, Geneva, \*University Hospital, Lausanne, \*\*University Hospital, Bern, Switzerland
116. **ISCHEMIC HEART DISEASE AND ASSOCIATED RISK FACTORS IN PATIENTS WITH TYPE 2 DIABETES**  
P. Lazzari, A. Zoppi\*, R. Fogari\*  
Azienda Istituti Ospitalieri of Cremona, Cremona, \*Dept of Internal Medicine, University of Pavia, Pavia, Italy
117. **INCREASED HEART RATE AND PULSE PRESSURE AS RISK FACTORS FOR FUTURE DEVELOPMENT OF ISOLATED SYSTOLIC HYPERTENSION IN PATIENTS TREATED FOR DIASTOLIC HYPERTENSION**  
T. Makris, V. Kikilias, P. Krespi, D. Papadopoulos, E. Gialafos, O. Papazachou, A. Hatzizacharias, V. Votteas  
Laiko Hospital, Athens, Greece
118. **PREVALENCE OF TINNITUS IN A POPULATION OF HYPERTENSIVE PATIENTS REFFERING TO A HYPERTENSIVE CLINIC**  
C. Borghi, M.G. Prandin, C.T. Tsamita, A. Dormi, D. Degli Esposti, E. Cosentino, M. Veronesi, E. Ambrosioni  
Dep. of Internal Medicine, University of Bologna, Bologna, Italy

119. **WHICH FACTORS CAN PREDICT THE DEVELOPMENT OF CARDIOVASCULAR DISEASES IN HYPERTENSIVE PATIENTS?**  
M. Domenech, J. Sobrino, J. Plana, A. Felip, M.J. Adrian, M. Casas, A. Minguez, J. Modol, A. Pelegri, G. Pou, J. Soler, J. Vila, J. Roma, A. Coca  
FEHTACC, Barcelona, Spain
120. **APPRAISAL OF THE AGREEMENT BETWEEN PATIENTS' REPORTS AND CARDIOLOGISTS' DECLARATION IN A FRENCH HYPERTENSIVE POPULATION**  
S. Ragot, S. Om\*, J.C. Aldigier\*\*, D. Herpin\*\*\*  
Faculty of Medicine and Pharmacy, Poitiers, \*Sanofi-Aventis, Paris, \*\*University Hospital, Limoges, \*\*\*University Hospital, Poitiers, France
121. **MEDICATION ADHERENCE IN RESISTANT HYPERTENSION – COMPARING THREE STRATEGIES OF EVALUATION**  
A. Melo, A. Nogueira\*, E. Muxfeldt\*, G. Salles\*, K. Bloch\*  
Núcleo de Estudos de Saúde Coletiva - UFRJ, \*Hypertension Program - HUCFF - UFRJ, Rio de Janeiro, Brazil
122. **POOR UTILIZATION OF HEALTH CARE SERVICES BY HYPERTENSIVE PERSONS TOLD TO SEEK TREATMENT IN DAR ES SALAAM, TANZANIA**  
J.P. Gervasoni, P. Bovet, A. Rwebogora\*, M. Mashombo\*, F. Paccaud  
Institute of Social and Preventive Medicine, Lausanne, Switzerland, \*Ministry of Health, Dar es Salaam, United Rep. of Tanzania
123. **THE ADR2B GENE INSERTION/DELETION POLYMORPHISM IS RELATED TO CARDIOVASCULAR AND METABOLIC PHENOTYPES IN A CHINESE POPULATION**  
H. Zhang, X Li, J Huang, Y Li\*, L Thijs\*\*, Z Wang, S Xie\*\*\*, J Staessen\*\*, J Wang\*  
Jiangsu Province Hospital, Nanjing, China, \*Ruijin Hospital, Shanghai, China, \*\*University of Leuven, Leuven, Belgium, \*\*\*Taicang 2nd Hospital, Taicang, China
124. **SECULAR TRENDS IN BLOOD PRESSURE COMPONENTS, HYPERTENSION PREVALENCE AND HEART RATE IN YOUNG ADULTS, 1949 TO 2004: ANALYSES OF CROSS-SECTIONAL STUDIES**  
A. Black, L. Murray, G. Davey Smith\*, C. Cardwell, P. McCarron  
Queen's University Belfast, Belfast, UK, \*University of Bristol, Bristol, UK
125. **PREVALENCE OF ERECTILE DYSFUNCTION IN A GREEK CAUCASIAN POPULATION: COMPARISON OF HYPERTENSIVE AND NORMOTENSIVE INDIVIDUALS**  
A. Micheli, M. Doumas, A. Tsakiris\*, S. Douma\*, A. Hounta\*, Ang. Papadopoulos\*, N. Spathari, F. Ploiarhopoulou\*, Ant. Papadopoulos\*, H. Giamarellou\*  
1st Dpt. of Internal Medicine, University of Thrace, Alexandroupolis, \*4th Dpt. of Internal Medicine, University of Athens, Athens, Greece
126. **PREDICTION OF STROKE BY SELF-MEASURED BLOOD PRESSURE AT HOME IN THE MORNING VERSUS IN THE EVENING: THE OHASAMA STUDY**  
K. Asayama, T. Ohkubo, M. Kikuya, H. Metoki, T. Obara, H. Hoshi\*, J. Hashimoto, K. Totsune, H. Satoh, Y. Imai  
Tohoku University, Sendai, Japan \*Ohasama Hospital, Ohasama, Japan
127. **HYPERTENSION PREVALENCE IN CARIBBEAN POPULATION: A STRONG RELATIONSHIP WITH OBESITY**  
A. Atallah, J. Inamo\*, T. Lang\*\*, L. Larabi\*\*\*, G. Chatellier°, J.E. Rozet°, R. DeGaudemaris\*\*\*  
Centre Hospitalier de la Basse-Terre, Basse-Terre, France, \*CHU de Fort de France, Fort de France, France, \*\*INSERM U558, Toulouse, France, \*\*\*Médecine du Travail, CHU de Grenoble, Grenoble, France, °Dépt Santé Publique, HEGP, Paris, France, °°Centre de Santé Sainte Geneviève, Basse-Terre, Guadeloupe
128. **CONTROL OF CARDIOVASCULAR RISK FACTORS AMONG HYPERTENSIVES ATTENDED AT HYPERTENSION UNITS IN SPAIN. THE CORIVA STUDY**  
J.R. Banegas, L.M. Ruilope\*, O. Vegazo\*\*, R. Fernández\*\*, B. De Rivas\*\*, C. Ovejero\*\*\*  
School of Medicine, Universidad Autónoma de Madrid, Madrid, \*Hypertension Unit, Hospital Doce de Octubre, Madrid, \*\*Medical Department, AstraZeneca Farmacéutica, Madrid, \*\*\*Biometrica, Madrid,

Spain

129. **HYPERTENSION IN THE VERY ELDERLY POPULATION: STUDY OF PATIENTS FROM A REGIONAL HOSPITAL**  
M.J. Núñez, J. Paz\*, B. Castro, J.C. García, A. López, J. Fraile, A. Blanco, M.C. Mella  
Hospital do Salnés, Vilagarcía de Arousa, \*Complejo Hospitalario de Pontevedra, Pontevedra, Spain
130. **LEFT VENTRICULAR HYPERTROPHY BY SOKOLOV-LYON VOLTAGE CRITERIA PREDICTS STROKE MORTALITY IN OVERWEIGHT HYPERTENSIVE SUBJECTS**  
R. Antikainen, T. Grodzicki\*, A. Palmer\*\*, D.G. Beevers\*\*\*, C.J. Bulpitt\*\*  
Oulu City Hospital, Oulun Kaupunki, Finland, \*Jagiellonian University, Cracow, Poland, \*\*Imperial College, Faculty of Medicine, London, UK, \*\*\*City Hospital, Birmingham, UK
131. **HYPERTENSION AND BODY MASS INDEX IN TYPE 2 DIABETES : A CASE CONTROL STUDY IN A GUADELOUPEAN POPULATION**  
J. Deloumeaux, E. Ninin, A. Blanchet-Deverly, L. Foucan  
University Hospital, Pointe-à-Pitre, Guadeloupe
132. **NEGATIVE RELATIONSHIP OF OFFICE BLOOD PRESSURE WITH SERUM POTASSIUM LEVELS IN UNTREATED ESSENTIAL HYPERTENSIVES**  
M. Pikilidou, A. Lasaridis, P. Sarafidis, I. Tziolas  
1st Department of Medicine, AHEPA University Hospital, Thessaloniki, Greece
133. **ETHNIC DIFFERENCES IN CORONARY HEART DISEASE IN THE MALE POPULATION OF TALLINN (ESTONIA): 15 YEARS TRENDS**  
J. Abina, O. Volozh, E. Solodkaya, M. Saava  
Estonian Institute of Cardiology, Tallinn, Estonia
134. **PREVALENCE AND CAUSES OF HYPOKALEMIA IN A GREEK HYPERTENSIVE POPULATION**  
M. Pikilidou, A. Lasaridis, P. Sarafidis, I. Tziolas  
1st Department of Medicine, AHEPA University Hospital, Thessaloniki, Greece
135. **MENOPAUSE AND HYPERTENSION: ENALAPRIL EFFECTS ON THE ESTROGENIC AXIS AND BLOOD PRESSURE**  
J. Zilberman, A. Villamil, E. Bustamante, M. Possiel, S. Kuznicki, G. Tripicchio, R. Sanchez\*, A. Ramirez\*\*  
Hospital de Agudos Cosme Argerich, Capital Federal, Argentina, \*Sec. Hipertensión Arterial, ICYCC, Fund Favaloro, Buenos Aires, Argentina, \*\*Universidad Dr. R.G. Favaloro, Buenos Aires, Argentina
136. **WHISTLER: RELATION BETWEEN BLOOD PRESSURE IN PARENTS AND BLOOD PRESSURE IN THEIR HEALTHY NEONATES**  
D.E. Grobbee, C.S.P.M. Uiterwaal\*  
Julius Center, Utrecht University, Utrecht, \*University Medical Center Utrecht, Utrecht, Netherlands
137. **ASSOCIATED RISK FACTORS OF ARTERIAL HYPERTENSION IN THE POPULATION LIVING IN THE RADIONUCLIDE CONTAMINATED TERRITORY**  
V.P. Podpalov, A.D. Deev\*, A.I. Stchastlivenko  
Vitebsk Medical University, Vitebsk, Belarus, \*National Research Center for Preventive Medicine, Moscow, Russian Federation
138. **THE OSCAR STUDY – CARDIOPROTECTIVE MANAGEMENT AND TREATMENT OF HYPERTENSIVE PATIENTS IN PRIMARY PREVENTION**  
O. Dubourg, S. Nisse-Durgeat\*  
Ambroise Paré Hospital, Boulogne Billancourt, France, \*Takeda, Puteaux, France
139. **FAILURE OF ANTIHYPERTENSIVE TREATMENT: WHAT DO PATIENTS THINK?**  
S. Laurent, S. Consoli\*, F. Allaert\*\*, I. Leurs\*\*\*  
Service de Pharmacologie Clinique, HEGP, Paris, \*Service de Psychologie Clinique HEGP, Paris, \*\*Cenbiotech CHU, Dijon, \*\*\*AstraZeneca, Rueil-Malmaison, France
140. **ACTIVITY IN HYPERTENSIVE PATIENTS OF TWO ERYTHROCYTE ENZYMES INVOLVED IN CELL VIABILITY ASSOCIATED WITH AGEING**  
A. Pereira da Silva, R. Carvalho, M.C. Bicho, J. Neves, T. Fonseca\*, J.P. Gorjão Clara\*, M.P. Bicho

Genetics Laboratory, Lisbon Medicine Fac, Lisboa, \*Internal Medicine Service I, P. Valente Hospital, Lisbon, Portugal

141. **EXTENT OF BLOOD PRESSURE CONTROL IN US ADULTS WITH HYPERTENSION AND METABOLIC SYNDROME**  
R. Chen, A. Smitten\*  
Bristol-Myers Squibb Company, Princeton, USA, \*Harvard School of Public Health, Boston, USA
142. **REGIONAL DIFFERENCES IN THE PREVALENCE OF PREECLAMPSIA IN RELATION TO THE RISK FACTORS FOR CORONARY ARTERY DISEASE IN WOMEN IN FINLAND**  
R. Kaaja, T. Kinnunen\*, R. Luoto\*  
Helsinki University Hospital, Helsinki, Finland, \*UKK Institute, Tampere, Finland
143. **SCREENING OF REGIONAL HYPERTENSION BASED ON HOME BLOOD PRESSURE MONITORING. OJIKI STUDY**  
T. Shinagawa, S. Suzuki\*, T. Tanaka\*\*, K. Yano\*\*\*  
Nagasaki Medical Center of Neurology, Higashisonogi, Japan, \*Nagasaki City Hospital, Nagasaki, Japan, \*\*Ojika Town Clinic, Kitamatsura, Japan, \*\*\*Nagasaki University School of Medicine, Nagasaki, Japan
144. **GENDER DISPARITIES IN THE CONTROL OF BLOOD PRESSURE AND OTHER RISK FACTORS IN PATIENTS WITH EXISTING CARDIOVASCULAR DISEASE IN FAMILY PRACTICE**  
C. Reid, S. Birrel\*, M. Robotin\*, G. Jennings\*  
CCRE, Therapeutics, Melbourne, VIC, Australia, \*Baker Heart Research Inst., Melbourne, Australia
145. **CARDIOVASCULAR EVENTS IN ONE 11 YEARS FOLLOWED-UP COHORT OF HYPERTENSIVE. A DESCRIPTIVE STUDY**  
M. Vilaplana, A. Dalfó, E. Zabaleta, F.J. Tovillas, R. Aragonés, M. Benítez-Camps  
ABS Gòtic, Barcelona, Spain
146. **SOCIAL-ECONOMIC STRESS AND HYPERTENSION RELATED VARIABLES: EPIDEMIOLOGY STUDY IN ONE MOSCOW CITY SUBURBAN TOWN**  
N. Eliseeva, A. Britov, A. Deev, A. Orlov  
State Research Centre for Preventive Medicine, Moscow, Russian Federation
147. **HYPERTENSIVE PATIENTS WITH RAISED PLASMA LEVELS OF BRAIN NATRIURETIC PEPTIDE ARE IN HIGHER RISK FOR PAROXYSMAL ATRIAL FIBRILLATION**  
A. Hatzizianni, C. Tsioufis, M. Toutouza, C. Vasiliadi, J. Kallikazaros, C. Stefanadis, P. Toutouzas  
Ippokration General Hospital Athens, Athens, Greece
148. **IS THERE ANY ASSOCIATION BETWEEN PULSE PRESSURE AND FIBRINOGEN LEVELS IN INDIVIDUALS WITH DIFFERENT TYPES OF ESSENTIAL HYPERTENSION?**  
V. Karagkiozaki, L. Mporgi, A. Gotsis, M. Passalidou, S. Terzi, S. Haritos, I. Koukoutsis, I. Litsas, O. Koutsogiannis  
Hypertension Dept., Health Centre, Iasmos, Greece
149. **PREVALENCE, AWARENESS, TREATMENT AND CONTROL OF HYPERTENSION IN TURKEY (Patent)**  
B. Altun, M. Arici, G. Nergizoglu\*, U. Derici\*\*, O. Karatan\*, C. Turgan, S. Sindel\*\*, B. Erbay\*, E. Hasanoglu\*\*, S. Caglar\*\*\*  
Hacettepe University Faculty of Medicine, Ankara, \*Ankara University Faculty of Medicine, Ankara, \*\*Gazi University Faculty of Medicine, Ankara, \*\*\*Turkish Society of Hypertension and Renal Diseases, Ankara, Turkey

Sunday, June 19

12.30 - 15.30

150. **HYPERTENSION RISK FACTORS PREVALENCE IN GENERAL POPULATION OF YEREVAN, ARMENIA**  
A. Barbaryan, S. Barsamyan, T. Uzunyan, H. Manjikyan, Z. Hakobyan, A. Potosyan, P. Zelveian  
Armenian Medical Association, Yerevan, Armenia
151. **IS THERE CORRELATION BETWEEN CLINICAL GUIDELINES' SUGGESTED THERAPY AND THE REAL LIFE (RESULTS FROM BULPRACT-HEART STUDY)**  
N. Gotcheva, B. Georgiev, D. Gotchev\*, I. Ivanov, Il. Tomov, N. Penkov\*\*  
National Heart Hospital, Sofia, \*Military Medical Academy, Sofia, \*\*Medical University, Varna, Bulgaria
152. **RENAL EXTRACTION OF BRAIN NATRIURETIC PEPTIDE (BNP) AND NT-proBNP IS NOT RELATED TO RENAL FUNCTION**  
R.R.J. van Kimmenade, J.A. Bakker\*, A.J.H.M. Houben\*\*, A.A. Kroon\*\*, H.J.G.M. Crijns, P. van Dieijen, Visser\*, P.W. de Leeuw\*\*, Y.M. Pinto  
Dept. Cardiology, \*Dept. Chemistry, \*\*Dept. Medicine, Univ.Hospital Maastricht, CARIM, Maastricht, Netherlands
153. **CARDIOVASCULAR RISK ASSESSMENT IN ASYMPTOMATIC PEOPLE**  
R. Zivkovic, Lj. Suric, Lambic\*, M. Ugljesic, J. Nisevic, G. Dragasevic, O. Milovic  
Medical Center Stari Grad, Belgrade, \*Clinical Hospital, 1 Zemun, Belgrade, Yugoslavia
154. **NADPH OXIDASE-DEPENDENT SUPEROXIDE PRODUCTION ASSOCIATES WITH CAROTID INTIMA-MEDIA THICKNESS IN SUBCLINICAL ATHEROSCLEROSIS**  
M.U. Moreno, G. San José, A. Montoya, R. Ros, J. Díez, A. Fortuño, G. Zalba  
Center for Applied Medical Research, Pamplona, Spain
155. **THYROID DISEASE IN ESSENTIAL HYPERTENSIVE SUBJECTS: EFFECT ON TARGET ORGAN DAMAGE**  
E. Vezali, C. Tsioufis, G. Hartzoulakis, L. Naoumidou, D. Chatzis, P. Stougiannos, I. Vlasseros, S. Lalos, A. Moulakakis, P. Toutouzas, C. Stefanadis, I. Kallikazaros  
Department of Cardiology, Hippokration Hospital, Athens, Greece
156. **METABOLIC SYNDROME DEFINED BY THE ATP III: THE EFFECT OF ITS DIFFERENT COMPONENTS ON TARGET ORGAN DAMAGE IN UNTREATED ESSENTIAL HYPERTENSIVE PATIENTS**  
C. Lambropoulos, C. Tsioufis, G. Hartzoulakis, K. Dimitriadis, D. Chatzis, E. Taxiarchou, P. Stougiannos, A. Kakkavas, C. Stefanadis, I. Kallikazaros  
Department of Cardiology, Hippokration Hospital, Athens, Greece
157. **MANAGEMENT OF GLOBAL CARDIOVASCULAR RISK IN HYPERTENSIVE PATIENTS – COMPARISON BETWEEN MALE AND FEMALE GPs: VERSUS STUDY**  
J.P. Baguet, C. Mounier Vehier\*, B. Fiquet\*\*, C. Yau\*\*, K. Martin\*\*, A. Francillon\*\*  
Cardiology and Medicine Unit, Grenoble, \*Hypertension and Medicine Unit, Lille, \*\*Novartis Pharma, Rueil Malmaison, France
158. **RISK FACTORS AND PREDICTORS OF HYPERTENSION IN ELDERLY: A LARGE CROSS-SECTIONAL STUDY FROM TURKEY**  
Z. Ulger, M. Halil, M. Cankurtaran, BB. Yavuz, D. Dede, N. Ozkayar, S. Ariogul  
Hacettepe University Hospital, Ankara, Turkey
159. **FACTORS THAT INFLUENCE PHYSICIAN DECISION MAKING IN A HYPERTENSION SPECIALTY CLINIC**  
K. Bailey, R. Dobrow, B. Grossardt, J. Graves\*  
Department of Biostatistics, Mayo Clinic College, Rochester, USA, \*Mayo Clinic - College of Medicine, Rochester, USA

160. **SEPHAR - STUDY FOR EVALUATION OF PREVALENCE OF HYPERTENSION AND CARDIOVASCULAR RISK IN AN ADULT POPULATION IN ROMANIA**  
M. Dorobantu, R. Darabont\*, E. Badila, C. Gingham\*\*, K. Babes\*\*\*, E. Apetrei\*\*, D.D. Ionescu°, I.G. Petrovai°°  
Emergency Hospital Bucharest, Bucharest, \*University Hospital Bucharest, Bucharest, \*\*Institute of Cardiology "C.C.Iliescu", Bucharest, \*\*\*Oradea University, Oradea, °Cardiology Center Craiova, Craiova, °°Servier Pharma SRL, Bucharest, Romania
161. **PREDICTIVE VALUE OF MORNING PLASMA ALDOSTERONE AND POSTURAL STIMULATION TEST IN SUBTYPING PRIMARY ALDOSTERONISM**  
I. Plamondon, M. Agharazii, P. Douville, M. Lebel  
CHUQ, Hotel, Dieu Hospital and Laval University, Quebec, Canada
162. **DOES THE APPLICATION OF SYSTEMIC CORTICOSTEROIDS, REPEATED SEVERAL TIMES PER YEAR WHICH ENDURE 7-10 DAYS AT CHILDREN WITH ASTHMA DISEASE, CAUSE HYPERTENSION?**  
M. Martinovic, S. Pantovic  
Univer. of Montenegro, Faculty of Medicine, Podgorica, Yugoslavia
163. **PREVALENCE OF ARTERIAL HYPERTENSION AND LIPID PROFILE IN HIV PATIENTS**  
A. Coloma, A. Roca-Cusachs, P. Domingo, M.T. Alvarez-Albarran, M.T. Benet, M.J. Solé, A. Lacal  
Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
164. **PREVALENCE OF OBSTRUCTIVE SLEEP APNEA AMONG PATIENTS WITH RESISTANT ARTERIAL HYPERTENSION. EFFECTS OF CPAP ON BLOOD PRESSURE**  
J. Almirall, M.J. Masdeu, A. Ferrer, J.C. Martinez-Ocaña, T. López, T. Prats, M. Arranz, M. García, A. Marin  
Corporació Parc Taulí, Institut Univesitari (UAB), Sabadell, Spain
165. **MATRIX METALLOPROTEINASES IN HYPERTENSIVE PATIENTS**  
E. Kolosov, N. Belaya, O. Kovalyova, E. Bolokadze  
Kharkov State Medical University, Kharkov, Ukraine
166. **CONTROL OF CARDIOVASCULAR RISK FACTORS IN TREATED HYPERTENSIVE PATIENTS IN SPANISH PRIMARY CARE SETTING**  
M. Luque, on behalf the VASHTA Investigators  
Hypertension Unit, Hospital Clinico San Carlos, Madrid, Spain
167. **RISK FACTORS FOR CARDIOVASCULAR DISEASE AND ASSOCIATED CLINICAL CONDITIONS IN PACIENTS WITH OBSTRUCTIVE SLEEP APNEA (OSA)**  
S. Vazquez, A. Oliveras, H. Cao, M.J. Soler, J. Lloveras  
Hospital del Mar, Barcelona, Spain
168. **GLOBAL CARDIOVASCULAR RISK IN HYPERTENSIVES AS A GUIDE TO MANAGEMENT: IMPORTANCE OF THE ASSESSMENT OF TARGET ORGAN DAMAGE**  
M. Luque, B. de Rivas, B. Alvarez, G. Garcia, C. Fernandez, N. Martell  
Hypertension Unit, Hospital Clinico San Carlos, Madrid, Spain
169. **POLYMORPHISMS OF XANTIN OXIDASE GENE, BLOOD PRESSURE VALUES AND OXIDATIVE STRESS IN ESSENTIAL HYPERTENSION**  
F. Chaves, S. Blesa, D. Corella\*, V. Gonzalez-Albert, M.C. Tormos\*\*, V. Giner\*\*\*, G. Zalba\*\*\*\*, J. Diez\*\*\*\*, G. Saez\*\*, J. Redon\*\*\*  
Research Unit, H Clinico, University of Valencia, Valencia, \*Genetic Epidemiology, University of Valencia, Valencia, \*\*Department of Biochemistry, University of Valencia, \*\*\*Hospital Clinico, University of Valencia, RECAVA, Valencia, \*\*\*\*Research Medical Foundation, University of Navarra, Pamplona, Spain
170. **WHICH RATIO OF PLASMA ALDOSTERONE TO PLASMA RENIN ACTIVITY PREDICTS ADRENAL GLAND ABNORMALITIES IN COMPUTED TOMOGRAPHY IN PATIENTS WITH PRIMARY HYPERALDOSTERONISM?**  
J. Chudek, M. Kukla, J. Witkowicz, M. Zarzecki, F. Kokot, A. Wiecek  
Dept. of Nephrology, Endocrinology and Metab. Dis., Katowice, Poland

171. **SALT SENSITIVITY DETERIORATES CARDIO-VASCULAR RISK PROFILE OF POSTMENOPAUSAL WOMEN: A LONG-TERM PROSPECTIVE STUDY**  
P. Aranda, F.J. Aranda, E. Lopez de Novales, M.A. Frutos  
Hypertension Unit, Carlos Haya University Hospital, Malaga, Spain
172. **PATIENTS WITH NEVER TREATED WHITE COAT HYPERTENSION DO HAVE INCREASED CONCENTRATIONS OF B-TYPE NATRIURETIC PEPTIDE AND C-REACTIVE PROTEIN**  
D. Conen, T. Dieterle, M. Rimner, K. Utech\*, M. Pfisterer, B. Martina  
University Hospital, Basel, \*University Hospital, Bruderholz, Switzerland
173. **IS AN INCREASE OF EARL MORNING SURGE IN BLOOD PRESSURE ASSOCIATED WITH CARDIOTENS DETECTED ST SEGMENT DEPRESSION?**  
S. Uen, S. Asghari, I. Un\*, B. Baulmann, H. Vetter, T. Mengden  
University of Bonn, Bonn, Germany, \*Kocaeli Devlet Hastanesi, Kocaeli, Turkey
174. **IMPACT OF RILMENIDINE ON QUALITY OF LIFE IN PERIMENOPAUSAL WOMEN WITH HYPERTENSION**  
K. Kawecka-Jaszcz, D. Czarnecka, M. Klocek, M. Zabojszcz, A. Stochmal, R. Jaworski\*, R. Pachocki\*  
I Cardiac Dept. Jagiellonian Univ. Medical College, Krakow, \*Servier Poland, Warsaw, Poland
175. **ASSOCIATIONS OF PSYCHOPHYSIOLOGICAL FUNCTIONS WITH RISK FACTORS IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
A. Shabalin, E. Guliaeva\*  
Novosibirsk Medical Academy, Kemerovo, \*Clinical Hospital No 1, Penitentiary Headquarters, Kemerovo, Russian Federation
176. **CARDIOVASCULAR RISK ASSESSMENT IN HYPERTENSIVE PATIENTS: DIFFERENT OUTCOMES ACCORDING TO EUROPEAN SOCIETY OF HYPERTENSION (ESH) AND SCORE STRATEGIES**  
A. Persu, W. Vinck\*, J.-F. De Plaen  
Nephrology Unit, UCL, Brussels, \*Endocrinology Unit, Sint-Augustinus Hospital, Wilrijk, Belgium
177. **POTENTIAL BARRIERS TO ADEQUATE BLOOD PRESSURE CONTROL IN HYPERTENSIVE PATIENTS IN PRIMARY CARE**  
S.C. Dean, P. Oakeshott, S.M. Kerry, G. Rowlands, F. P. Cappuccio  
SGHMS, London, UK
178. **HYPERTENSION, COGNITIVE FUNCTION AND DAILY ABILITIES IN ELDERLY SUBJECTS**  
F. D'Amico, R. Giuffrida\*  
Dept. Geriatrics, Ospedale Barone I. Romeo, Patti, Messina, \*Service of Geriatrics, "Sirina" Taormina Hospital, Messina, Italy
179. **EFFECTIVENESS OF COMBINED THERAPY WITH CARVEDILOL AND LISINAPRIL IN TREATMENT OF HYPERTENSIVE PATIENTS WITH CHRONIC CARDIAC FAILURE**  
S.V. Gurgenyanyan, S.Kh. Vatinanyan, K.G. Nikogosyan, L.B. Edilyan, B.G. Chobanyan  
Institute of Cardiology, Yerevan, Armenia
180. **PHYSICAL EXERCISE DOES NOT HELP REDUCE BLOOD PRESSURE IN VERY ELDERLY POPULATIONS**  
E. Leibovitz, D. Manevich\*, R.J. Viskoper\*\*, D. Gavish  
Wolfson Medical Center, Holon, Israel, \*The Holland Immigrants' Senior Home, Hertselia, Israel, \*\*The Forum for Cardiovascular Disease Prevention, Tel Aviv, Israel
181. **A COMPARATIVE STUDY OF BLOOD PRESSURE LEVELS DURING ACUTE ISCHEMIC CEREBRAL VASCULAR ACCIDENTS (CVA) AND 4 DAYS AFTER, BASED ON OSCILLOMETRIC METHOD WITH 24h MONITORING**  
N. Lionakis, G. Gavrielatos, D. Avramidis, V. Tsiavos, I. Ioannidis, N. Komitopoulos, E. Varsamis  
Konstantopoulou Hospital, Athens, Greece
182. **VARIABILITY OF RENAL VASCULAR RESISTANCE IN THE DOPPLER CAPTOPRIL TEST AS A MARKER OF VASCULAR LESIONS IN PATIENTS WITH ESSENTIAL HYPERTENSION – PRELIMINARY REPORT**

A. Lubas, G. Zelichowski, Z. Wankowicz  
Military Institute of Medicine, Warsaw, Poland

183. **THE COM99 STUDY RESULTS: A CLUSTER-RANDOMIZED TRIAL OF AN INTERVENTION TO IMPROVE ADHERENCE TO ANTIHYPERTENSIVE DRUGS AMONG PATIENTS AT HIGH CARDIOVASCULAR RISK**  
M. Pladevall(1), C. Brotons(11), R. Gabriel(13), A. Leiva(14), J. Sobrino(12), C. De la Sen Fernandez(2), A. Garcia(3), M. Perez(4), E. Llargues(6), R. Sans(7), I. Blasco(8), P. Horcajo(4), P. Rodriguez(9), M. Serrarols(5), J.L. Anton(10)  
(1)Henry Ford Health System, Detroit, USA, (2)Centro de Salud Albatix, Alicante-Spain, (3)Centro de Salud Padre Manjon, Elda-Spain, (4)Hospital de Guadalajara, Guadalajara-Spain, (5)CAP Vic Sud, Vic-Spain, (6)Hospital de Granollers, Granollers-Spain, (7)Hospital de Figueres, Figueres-Spain, (8)Centro de Salud El Espinillo, Madrid-Spain, (9)Centro de Salud de Seoane de Caurel, Seoane de Caurel-Spain, (10)Centro de salud Tamames, Madrid-Spain, (11)EAP Sardenya, Barcelona-Spain, (12)Hospital de l'Esperit Sant, Santa Coloma de Gramanet-Spain, (13)CEIIS, Madrid-Spain, (14)Hospital General de Vic, Vic-Spain
184. **RENOVASCULAR HYPERTENSION TREATED WITH LAPAROSCOPIC ADRENALECTOMY – CASE REPORT**  
M. Otto, M. Peczkowska\*, A. Januszewicz\*, J. Dzwonkowski, T. Ciacka, M. Januszewicz, H. Janaszek-Sitkowska\*, R. Mielniczuk\*, J. Szmidt  
Medical University of Warsaw, Warsaw, \*Institute of Cardiology, Warsaw, Poland
185. **MODERATE RENAL INSUFFICIENCY ESTIMATED BY COCKCROFT-GAULT FORMULA PREDICTS THE DEVELOPMENT OF CHRONIC KIDNEY DISEASE IN ESSENTIAL HYPERTENSIVE PATIENTS WITH NORMAL SERUM CREATININE**  
L. Vigil, C. Campo, M. Odriozola, J. Segura, C. Roldan, J.A. García-Donaire, L. Guerrero, L. Fernandez, L.M. Ruilope  
Hospital Universitario Doce de Octubre, Madrid, Spain
186. **DOES PERINDOPRIL/INDAPAMIDE COMBINATION HAVE A BLOOD PRESSURE INDEPENDENT EFFECT ON LEFT VENTRICULAR MASS EVOLUTION ? THE PIXCEL STUDY**  
P. Gosse, R. Asmar\*, P. Guéret\*\*, O. Dubourg\*\*\*, G. de Simone°, R. Schmieder°, B. Dahlöf°°°  
Hôpital Saint André, Bordeaux, France, \*Institut Cardio Vasculaire, Paris, France, \*\*Hôpital Henri Mondor, Créteil, France, \*\*\*Hôpital Ambroise Paré, Boulogne-Billancourt, France, °Università Federico II, Naples, Italy, °°Friedrich-Alexander-Universität, Erlangen, Germany, °°°Göteborg University, Göteborg, Sweden
187. **MICROALBUMINURIA IS ACCOMPANIED BY AUGMENTED PLASMA CONCENTRATIONS OF C-REACTIVE PROTEIN IN UNTREATED ESSENTIAL HYPERTENSIVE SUBJECTS**  
K. Dimitriadis, C. Tsioufis, E. Taxiarchou, M. Toutouza, I. Skiadas, P. Toutouzas, C. Stefanadis, I. Kallikazaros  
Department of Cardiology, Hippokration Hospital, Athens, Greece
188. **SAFETY AND EFFICACY OF LAPAROSCOPIC ADRENALECTOMY IN PATIENTS WITH DIFFERENT FORMS OF HORMONAL HYPERTENSION AND INCIDENTALOMAS**  
M. Otto, A. Kasperlik-Zaluska\*, A. Januszewicz\*\*, M. Peczkowska\*\*, M. Kabat\*\*, A. Prejbisz\*\*, J. Dzwonkowski, H. Janaszek-Sitkowska\*\*, T. Ciacka, M. Januszewicz, J. Szmidt  
Medical University of Warsaw, \*Center for Postgraduate Medical Education, \*\*Institute of Cardiology, Warsaw, Poland,
189. **PROFILE OF HYPERTENSIVE PATIENTS TREATED WITH A FIXED DOSE COMBINATION**  
A. De la Sierra, C. Pontes\*, J. Combalía\*  
Hypertension Unit, Hospital Clínico de Barcelona, \*Medical Department, Vita P&G Company, Barcelona, Spain

190. **IRBESARTAN REDUCES CARDIOVASCULAR RISK BOTH IN HYPERTENSIVE DIABETIC AND NON-DIABETIC SUBJECTS**  
J. Honorato(1), C. Calvo(2), G.T. Lopez(4), R. Pacheco(5), F. Martin(6), A. Robles(7), J.M. Martinez(8), J.A. Madrigal(9), J. Planas(10), F.J. del Cazo(11), M. Cuixart(12), J. Soler(13), A. Perez(14), J.J. Torrijos(15), F. de Alvaro(3)  
(1)Pharmacology, Clinica Universitaria, Pamplona-Spain, (2)HT Unit, Clinico Universitario Hospital, Santiago de Compostela-Spain, (3)Nephrology, La Paz Hospital, Madrid-Spain, (4)Internal Medicine, Virgen del Camino Hospital, Pamplona-Spain, (5)HT Unit, Torrent HC, Valencia-Spain, (6)Nephrology, Lozano Blesa Hospital, Zaragoza-Spain, (7)Internal Medicine, Requena Comarcal Hospital, Valencia-Spain, (8)Nephrology, Cruces Hospital, Barakaldo-Spain, (9)HT Unit, de la Plana Hospital, Villareal-Spain, (10)HT Unit, Els Camils Hospital, Barcelona-Spain, (11)Internal Medicine, Estella Hospital, Navarra-Spain, (12)Nephrology, Figueres Hospital, Gerona-Spain, (13)Nephrology, Fundacio Centre Hospitalari, Manresa-Spain, (14)Nephrology, General Universitario Hospital, Valencia-Spain, (15)Nephrology, Manacor Hospital, Mallorca-Spain
191. **AUTONOMIC NERVOUS ACTIVITY IN NORMOTENSIVES WITH HYPERTENSIVE RESPONSE TO EXERCISE**  
I. Zarkos, I. Vrana, G. Xatziadoniou, G. Livieratos, N. Nearchou\*, E. Thireos\*\*, N. Loulias, V. Tolis  
3rd Ika Hospital, Athens, \*Red Cross Hospital, Athens, \*\*Lavrion Health Center, General Hospital, Athens, Greece
192. **RELATION OF BODY MASS INDEX AND WAIST CIRCUMFERENCE WITH HYPERTENSION IN GUADELOUPEAN WOMEN**  
L. Foucan, J. Deloumeaux, T. Foucan, L. Larifla  
University Hospital, Pointe-À-Pitre, Guadeloupe
193. **FORMALIZED COMBINED 2003 EUROPEAN GUIDELINES ON CARDIOVASCULAR DISEASE PREVENTION AND HYPERTENSION**  
J. Peleska, Z. Anger\*, D. Buchtela, M. Tomeckova, A. Vesely, J. Zvarova  
EuroMISE Centre, ICS AS CR, Prague, \*2nd Dept. of Med., General Univ. Hospital, Prague, Czech Republic
194. **BLOOD PRESSURE MORNING SURGE, MORNING RISE AND DAYTIME BP VARIABILITY IN MATCHED NORMOTENSIVES, WHITE COAT HYPERTENSIVES AND SUSTAINED HYPERTENSIVES**  
J. Polonia, G. Gama, S. Betoquini\*, L. Martins\*, J. AlbertoSilva\*\*, L. Barbosa\*\*  
Faculty of Medicine Oporto, Porto, \*Faculdade Ciencias Saude U. Fernando Pessoa, Porto, \*\*Un. Hipertensao Hospital Pedro Hispano, Matosinhos, Portugal
195. **OXIDATIVE STRESS AND LEFT VENTRICULAR REMODELING IN ESSENTIAL HYPERTENSION**  
V. Giner, E. Rodilla\*, M. Tormos\*\*, O. Espinosa\*\*, J. Jimenez\*\*, F. Chaves\*\*\*, J. Pascual\*, G. Saez\*\*, J. Redon  
Hospital Clinico, University of Valencia, RECAVA, Valencia, \*Hypertension Clinic, Hospital of Sagunto, Sagunto, \*\*Department of Biochemistry, University of Valencia, Valencia, \*\*\*Research Unit, H Clinico, University of Valencia, Valencia, Spain
196. **THE FEASIBILITY OF SERUM CYSTATIN C MEASUREMENTS IN HYPERTENSIVE OUTPATIENT PATIENTS WITHOUT RENAL FAILURE**  
B. Symonides, M. Iwanowska\*, M. Piescik, M. Pryc, P. Wieniawski, D. Bobilewicz\*, Z. Gaciong  
Dept. Hypertension, Medical University, Warsaw, \*Dept. Laboratory Diagnostics, Medical University, Warsaw, Poland
197. **NT-ProBNP: A SURROGATE MARKER OF LEFT VENTRICULAR HYPERTROPHY AND DIASTOLIC DYSFUNCTION IN HYPERTENSION?**  
C. Mouly, P. Lantelme, M.O. Rial, L. Legedz, P. Champomier, M. Vincent\*, H. Milon  
Service de Cardiologie, Hôpital de la Croix-Rousse, Lyon-France, \*Exploration Fonctionnelle et Endocrinienne, UMR-MA, Lyon-France

198. **VALUE OF CHEST X-RAY STUDY AND MRI IN CLARIFYING THE GENESIS OF SECONDARY ARTERIAL HYPERTENSION CAUSED BY AORTIC COARCTATION**

I. Korobkova, O. Belichenko, V. Lazutkina, M. Sharia, A. Denisov, S. Shahvorostova, Z. Tsallagova  
Cardiology Research Center, Moscow, Russian Federation

199. **ABNORMALLY HIGH DIETARY SALT INTAKE IN HYPERTENSIVES, RELATIVES OF PATIENTS WITH STROKE AND IN UNIVERSITY STUDENTS**

J. Polonia, R. Ramos, J. Ferreira, S. Bertoquini\*, J. Silva\*\*, M. Duro\*, C. Almeida\*  
Faculty of Medicine Oporto, Porto-Portugal, \*Faculdade Ciencias Saude U. Fernando Pessoa, Porto-Portugal, \*\*Un Hipertensao Hospital Pedro Hispano, Matosinhos-Portugal

Sunday, June 19

12.30 - 15.30

200. **DESCRIPTION OF CARE IN A POPULATION-BASED COHORT WITH UNCOMPLICATED DIABETES TYPE 2: FINDINGS FROM A CLUSTER-RANDOMIZED-CONTROLLED TRIAL (C-RCT) [ISRCTN80116232]**  
C. Perria, D. Mandolini, S. Leotta\*, A. Fiorillo\*\*, T. Jefferson\*\*\*, P. Billi, A. Pasquarella, G. Guasticchi  
Agency of Public Health of Lazio Region, Rome, \*Diabetes Centre, S. Pertini Hospital, Rome, \*\*Lazio Region Family Practice Training School, Rome, \*\*\*Cochrane Collaboration, Rome, Italy
201. **BLOOD PRESSURE CONTROL IN PATIENTS WITH TYPE 2 DIABETES MELLITUS WITH METABOLIC SYNDROME. A CROSS-SECTIONAL STUDY IN SPAIN**  
O. González-Albarrán, B. Moreno\*, J.M. Sancho  
Hospital Ramón y Cajal, Madrid, \*Hospital Gregorio Marañón, Madrid, Spain
202. **CARDIOVASCULAR DISEASES IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM**  
C. Letizia, D. Cotesta, R. Cianci\*, S. Sciomer\*\*, P. Ferrari, M. Celi, S. Minisola, E. D'Erasmus, F. Fedele, G.F. Mazzuoli  
Department Clinical Science-Univ La Sapienza, Rome, \*Department of Medical Science, Rome, \*\*Department of Cardiovascular Science, Rome, Italy
203. **BAROREFLEX SENSITIVITY IN OBESE PATIENTS WITHOUT AND WITH DIABETES MELLITUS TYPE 2**  
H. Svacinova, J. Siegelova, B. Fiser, J. Dusek, J. Jancik, L. Svoboda, I. Hruba, M. Soucek  
Faculty Hospital St. Anna, Masaryk Unive, Brno, Czech Republic
204. **CUSHING'S SYNDROME WHO EXHIBITED CONGESTIVE HEART FAILURE AS INITIAL SYMPTOM**  
C. Letizia, D. Cotesta, L. Petramala, P. Battisiti\*, P. Lauri\*, L. Palleschi\*  
Department Clinical Science-Univ La Sapienza, Rome, \*S.Giovanni Hospital, Rome, Italy
205. **VASCULAR REACTIVITY IN CONGENITAL HYPOGONADAL MEN BEFORE AND AFTER TESTOSTERONE REPLACEMENT THERAPY**  
G. Bernini, D. Versari, A. Moretti, A. Cipriano, A. Viridis, L. Ghiadoni, M. Bardini, C. Taurino, S. Taddei, A. Salvetti  
Santa Chiara, Pisa, Italy
206. **TISSUE RENIN-ANGIOTENSIN SYSTEM IN HUMAN DIABETIC NEPHROPATHY**  
T. Konoshita, M. Motomura, C. Aoyama, Y. Makino, S. Wakahara, I. Koni\*, I. Miyamori  
Fukui University School of Medicine, Matsuoka-Japan, \*Kanazawa University Graduate School of Medicine, Kanazawa-Japan
207. **ANGIOTENSIN-II STIMULATES BETA-CELL PROLIFERATION IN CULTURED MIN6**  
M. Kaihara, Y. Nakamura, H. Norii, H. Uchida, Y. Hanayama, T. Sugimoto, H. Makino  
Okayama University Graduate School of Medicine, Okayama, Japan
208. **TRIIODOTHYRONINE ENHANCES INOTROPIC EFFECTS OF ANGIOTENSIN II IN NON FAILING MYOCYTES**  
V.L. Rossi, E. Marini, I. Bertolozzi\*, G. Arcidiacono, A. Corvi, P.A. Modesti\*  
Dipartimento di Meccanica e Tecnologie Industriali, Florence, \*Dipartimento di Area Critica Medico Chirurgica, Florence, Italy
209. **LEFT VENTRICULAR REMODELING IN HYPERTENSIVE PATIENTS WITH TYPE 2 DIABETES MELLITUS**  
O. Koshelskaya, R. Karpov  
Institute of Cardiology, Tomsk, Russian Federation
210. **LEFT VENTRICULAR HYPERTROPHY IN TWO AFRO CARIBBEAN POPULATION OF HYPERTENSIVE TYPE 2 DIABETICS WITH AND WITHOUT END STAGE RENAL DISEASE**  
A. Blanchet Deverly, F. Foucan, A. Jacquet, R. Billy Brissac, C. Messerschmitt, J. Deloumeaux, P. Cleophat  
Hospital, Pointe à Pitre, Guadeloupe

211. **ADREM: EVALUATING THE EFFECTS OF BLOOD PRESSURE LOWERING AND INTENSIVE GLUCOSE CONTROL ON VASCULAR RETINAL DISORDERS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS**  
R. Stolk, S. Thom\*, A. Patel\*\*, J. Vingerling\*\*\*, J. Chalmers\*\*, D. Grobbee  
University Medical Centre Utrecht, Utrecht, Netherlands, \*International Centre for Circulatory Health, London, UK, \*\*The George Institute, Sydney, Australia, \*\*\*Erasmus Medical Center, Rotterdam, Netherlands
212. **A NOVEL ENDOTHELIAL DERIVED VASOCONSTRICTOR**  
V. Jankowski, M. Toelle, M. van der Giet, W. Zidek, J. Jankowski  
Charite CBF, Berlin, Germany
213. **CALCILYTIC AND HYPERTENSIVE EFFECT OF NPS 2143 IN RATS**  
A. Lehmann, K. Boblewski, C. Orlewska, H. Foks, A. Rybczynska  
Medical University of Gdansk, Gdansk, Poland
214. **HYPERTENSION IS THE MORE FREQUENT COMPONENT OF METABOLIC SYNDROME IN TYPE 1 DIABETES: THE ITALIAN COHORT OF THE EURODIAB IDDM COMPLICATIONS STUDY**  
G. Penno, R. Miccoli, L. Pucci, D. Lucchesi, S. Bandinelli, C. Fotino, S. Triscornia, C. Bianchi, S. Del Prato, P. Reboldi\*, F. Santeusano\*, J. Fuller\*\*  
Department of Endocrinology and Metabolism, Pisa, Italy, \*Endocrine and Metabolic Science, Perugia, Italy, \*\*Department of Epidemiology and Public Health, London, UK
215. **ALDOSTERONE ELEVATION DURING THE LUTEAL PHASE OF THE MENSTRUAL CYCLE MAY SUGGEST PRIMARY ALDOSTERONISM IN HYPERTENSIVE WOMEN**  
E. Fommei, S. Maffei\*, A. Iervasi\*, C. Prontera\*, S. Masini\*  
Inst. of Clinical Physiology, Pisa University, Pisa, \*Institute of Clinical Physiology, Pisa, Italy
216. **HYPERTENSION AND HORMONAL ABNORMALITIES IN PATIENTS WITH ADRENAL INCIDENTALOMAS**  
Z.R. Shafigullina, L.I. Velikanova, N.V. Vorokhobina  
Medical Academy of Postgraduate Studies, St. Petersburg, Russian Federation
217. **EFFECTS OF TREATMENT OF PATIENTS WITH PRIMARY ALDOSTERONISM CAUSED BY ALDOSTERONE PRODUCING ADENOMA AND BY ADRENAL HYPERPLASIA - ONGOING STUDY**  
T. Dobrucki, M. Peczkowska, H. Janaszek-Sitkowska, M. Kabat, A. Prejbisz, P. Hoffman, M. Makowiecka-Ciesla, M. Januszewicz\*, R. Mielniczuk, A. Januszewicz  
Institute of Cardiology, Warsaw, \*Medical University of Warsaw, Warsaw, Poland
218. **ANGIOTENSIN-I CONVERTING ENZYME IN TISSUES FROM THE NON-OBESE DIABETIC MOUSE**  
J. Colucci, G. Di Marco, C. Vio\*, A. Pacheco-Silva, D. Casarini  
Universidade Federal de São Paulo, São Paulo-Brazil, \*Pontificia Universidad Catolica de Chile, Santiago, Chile
219. **PPAR GAMMA ACTIVATING ANGIOTENSIN RECEPTOR BLOCKERS EXHIBIT DIFFERENTIAL COFACTOR RECRUITMENT AND INDUCE ALTERED GENE EXPRESSION IN 3T3-L1 ADIPOCYTES**  
M. Schupp, R. Gineste\*, M. Clemenz, H. Witt\*\*, J. Janke\*\*\*, S. Helleboid\*, N. Hennuyer\*\*\*\*, P. Ruiz\*\*, T. Unger, B. Staels\*\*\*\*, U. Kintscher  
Center for Cardiovascular Research, Berlin-Germany, \*GENFIT, Parc Eurasante, Loos-France \*\*Max-Planck Institut for Molecular Genetics, Berlin-Germany, \*\*\*Helios Klinikum, Charité Universitätsmedizin, Berlin-Germany, \*\*\*\*UR545INSERM, Dp.d'Atherosclerose, Institut Pasteur, Lille-France,
220. **IMPLICATION OF ANTIBODIES TO OXIDIZED LOW-DENSITY LIPOPROTEIN IN HYPERTENSION WITH DIABETES MELLITUS**  
K. Hirao, T. Maruyama\*, Y. Ohno\*\*, H. Hirose, A. Shimada, I. Takei, M. Murata, T. Morii,

T. Eguchi\*\*\*, M. Hayashi, T. Saruta  
Keio University School of Medicine, Tokyo, \*Internal University of Health and Welfare, Tokyo,  
\*\*Green Town Clinic Center, Saitama, \*\*\*Yokohama Municipal Hospital, Yokohama, Japan

221. **CONTROL OF CARDIOVASCULAR RISK FACTORS IN TYPE 2 DIABETES MELLITUS IN PRIMARY CARE**  
T. Mantilla, C. Pérez de Oteyza\*, A. Gómez de la Cámara\*\*, M.D. Alonso de Caso, L. Alvarez-Sala\*  
Health Center Mar Baltico, Madrid, \*Hospital Gregorio Marañón, Madrid, \*\*Hospital 12 Octubre,  
Madrid, Spain
222. **EFFECT OF GONADECTOMY ON CARDIOVASCULAR RESPONSE TO ADRENALINE IN NORMAL AND STRESSED RATS**  
M. Semyonova, T. Anishchenko  
University of Saratov, Saratov, Russian Federation
223. **ASSOCIATION OF SOMATIC AND N-DOMAIN ANGIOTENSIN CONVERTING ENZYMES (ACEs) FROM WISTAR RATS TISSUES WITH RENAL AND PANCREATIC DYSFUNCTIONS IN DIABETES MELLITUS**  
F.A. Ronchi, D.E. Casarini  
Universidade Federal de São Paulo (UNIFESP), São Paulo, Brazil
224. **CORRELATION BETWEEN PINEAL'S GLAND ACTIVITY AND ITS HISTOLOGICAL FINDING**  
V. Antevska, L. Efremovska, L. Bozinovska, V. Malevska, O. Nikodijevic, B. Bogoeva  
Faculty of Medicine, Skopje-F.Y. Rep. of Macedonia
225. **IS THERE ANY RELATIONSHIP BETWEEN PLASMA VITAMIN D CONCENTRATION AND ARTERIAL BLOOD PRESSURE?**  
J. Almirall, M. Vaqueiro\*, E. Anton\*, ML. Baré\*\*, C. Prat\*\*\*, V. Gonzalez\*, E. Jaimez°, C. Gimeno°°  
Corporació Parc Taulí - Institut Univesitari (UAB), Sabadell-Spain, \*Albada Sociosanitari, Sabadell-Spain, \*\*Epidemiologia - UDIAT, Sabadell-Spain, \*\*\*Centre de Assistncia Primaria, Sabadell-Spain, °Infemeria del ICS, Sabadell-Spain, °°Laboratori Consorci Sanitari de Terrassa, Terrassa-Spain
226. **DIFFICULTY IN ACHIEVING BLOOD PRESSURE CONTROL IN DIABETES MELLITUS**  
M. Tani, K. Okazaki, Y. Ariga  
Ohara General Hospital, Fukuchima-Japan
227. **CARDIO- AND RENOPROTECTIVE EFFECTS OF LOW DOSE SELECTIVE ALDOSTERONE BLOCKER EPLERENONE IN HYPERTENSION**  
M. Naruse, A. Tanabe\*, Y. Shimamoto\*, M. Tsuiki\*, D. Watanabe\*, S. Takagi\*, D. Nagata, K. Takano\*  
Kyoto Medical Center, Kyoto, \*Tokyo Women's Medical University, Tokyo, Japan
228. **EFFECTS OF LOW DOSE PERINDOPRIL-INDAPAMIDE COMBINATION ON BLOOD PRESSURE IN TYPE 2 DIABETES: THE ADVANCE TRIAL RUN-IN PHASE**  
A. Patel, R. Joshi, S. Colman, J. Chalmers, B. Neal, S. MacMahon  
The George Institute for International Health, Sydney, Australia
229. **ANGIOTENSIN II AND ANGIOTENSIN IV MAY INTERACT WITH INSULIN-MEDIATED GLUT4 AND IRAP EXPRESSION IN VASCULAR SMOOTH MUSCLE CELLS: ALTERED RESPONSE IN PATIENTS WITH TYPE 2 DIABETES**  
W. Hodroj, J. Randon, N Foudi, L Legedz, P Feugier, C Cerutti, G Bricca  
EA 3740, Université Cl. Bernard Lyon I, Lyon, France
230. **DELAY TO OBTAIN A DECREASE IN BLOOD PRESSURE IN TYPE 2 AND DIABETIC PATIENTS WITH HYPERTENSION**  
J.P. Baguet, S. Nisse-Durgeat\*, P. Valensi\*\*, R. Asmar\*\*\*, J.M. Mallion  
University Hospital, Grenoble, \*Takeda, Puteaux, \*\*Jean Verdier Hospital, Bondy, \*\*\*The Cardiovascular Institute, Paris, France
231. **GENE EXPRESSION OF PPAR-gamma IN HUMAN ADRENAL TUMOR TISSUES**  
M. Tsuiki, A. Tanabe, D. Watanabe, S. Takagi, Y. Shimamoto, M. Naruse(2), K. Takano  
Tokyo Women's Medical University, Tokyo-Japan, (2)Kyoto Medical Center, Kyoto-Japan

232. **CIRCADIAN RHYTHM OF BLOOD PRESSURE IN PRIMARY HYPERPARATHYROIDISM**  
S. Lupi, V. Greco, M. Drnosek, G. Caruso, M. Ercolano, L. Brescacin  
Hospital JM Ramos Mejia, Buenos Aires, Argentina
233. **BLOOD PRESSURE AND LEFT VENTRICULAR MASS INDEX IN NORMOTENSIVE HYPERPARATHYROID PATIENTS VERSUS HEALTHY CONTROLS**  
G. Caruso, S. Lupi, M. Rey, M. Drnosek, M. Ercolano, L. Brescacin, G. Benchuga, M. Papadopulos, H. Messuti  
Hospital J M Ramos Mejia, Buenos Aires, Argentina
234. **CARDIOVASCULAR COMPLICATIONS IS COMMON IN PRIMARY ALDOSTERONISM**  
A. Tanabe, M. Naruse\*, Y. Shimamoto, M. Tsuiki, D. Watanabe, S. Takagi, K. Takano  
Tokyo Women's Medical University, Tokyo-Japan, \*Kyoto Medical Center, Kyoto-Japan
235. **INTERACTION OF UROKINASE WITH MONOCYTES IN DIABETIC NEPHROPATHY**  
I. Topchiy, V. Galchinskaya, I. Kondakov, P. Semenovych, A. Nesen, A. Shitova  
Institute of Therapy of AMS of Ukraine, Kharkov-Ukraine

Sunday, June 19

12.30 - 15.30

236. **SYMPATHETIC NERVOUS SYSTEM ACTIVATION, BUT NOT BLOOD PRESSURE, IS DEPENDENT ON GLN223ARG LEPTIN RECEPTOR GENE PLYMORPHISM IN OBESE HUMANS**  
E. Franek, J. Nowak\*, G. Adler\*, A. Binczak-Kuleta\*, B. Czerwienska\*\*, A. Ciechanowicz\*, F. Kokot\*\*, A. Wiecek\*\*  
Central Clinical Hosp. of Min. for Health Affairs, Warszawa, \*Dept. of Patobioch. and Mol. Biol., Pomeranian Univ., Szczecin, \*\*Dept. Nephrol. Endocrinol. Metab. Dis., Silesian Univ., Katowice, Poland
237. **METABOLIC SYNDROME IN A GREEK HYPERTENSIVE POPULATION: SEX INFLUENCE**  
A. Tsakiris, M. Doumas, N. Nearchou, C. Kouremenou, I. Papadakis, P. Marnelos, X. Krinos, P. Skoufas  
Red Cross Hospital, Athens, Greece
238. **COMPARISON OF LIPID PROFILE AMONG OPIUM DEPENDENTS WITH NON OPIUM DEPENDENTS**  
M. Hasanzadeh, M. Sargolzaee, A. Arghami, N. Arghami, Z. Abbaspourrad  
Qaem Hospital, Mashhad-Iran (Islamic Republic of)
239. **DO LIPID PARAMETERS INFLUENCE PLASMA VISCOSITY IN PATIENTS WITH ARTERIAL HYPERTENSION?**  
M. Cymerys, A. Marcinkowska-Gapinska, D. Pupek-Musialik, J. Dytfeld, P. Kowal, A. Miczke, W. Bryl  
University of Medical Sciences, Poznan, Poland
240. **THE RELATIONSHIP BETWEEN INSULIN SENSITIVITY AND ADIPONECTIN IN HYPERTENSIVE PATIENTS**  
A. Miczke, D. Pupek-Musialik, W. Bryl, M. Szulinska, M. Cymerys, R. Chyrek  
University of Medical Sciences, Poznan, Poland
241. **ARTERIAL HYPERTENSION, OVERWEIGHT, OBESITY AND OTHER CORONARY ARTERY DISEASE RISK FACTORS IN TALLINN ADULT POPULATION**  
A. Mesikepp, A. Hedman, R. Vahisalu, E. Mäeots, V. Laasi, H. Jaagus  
East-Tallinn Central Hospital, Tallinn, Estonia
242. **MASKED HYPERTENSION IN THE ELDERLY IS ASSOCIATED WITH HIGH HEMOGLOBIN A1C LEVELS AND LEFT VENTRICULAR HYPERTROPHY**  
Y. Karube, K. Harada, Y. Tanabe, C. Inaba, H. Saruhara, M. Adachi, K. Takeda, T. Taniguchi, K. Chida, I. Kuwajima  
Tokyo Metropolitan Geriatric Hospital, Tokyo, Japan
243. **INFLUENCE OF HYPERTENSION, OBESITY, INSULIN, AND LEPTIN LEVELS ON URINARY ALBUMIN EXCRETION IN MEN**  
M. Luczak, D. Pupek-Musialik, W. Bryl, A. Miczke, P. Bogdanski, M. Szulinska, J. Dytfeld  
University of Medical Sciences, Poznan, Poland
244. **WEIGHT LOSS AND MILD PHYSICAL ACTIVITY DECREASE THE LEVELS OF INFLAMMATORY MARKERS IN OBESE PATIENTS WITH METABOLIC SYNDROME**  
M. Shargorodsky, Y. Goldberg, D. Gavish, R. Zimlichman\*  
Wolfson Medical Center, Holon, Israel, \*The Brunner Institute for Cardiovascular research, Tel Aviv, Israel
245. **EFFICIENCY OF ANTYHYPERTENSIVE THERAPY IN THE PATIENTS WITH METABOLIC SYNDROME**  
V. Tseluyko, O. Radchenko  
Kharkiv Medical Academy of Postgraduate Education, Kharkiv, Ukraine
246. **EFFECT OF PPAR-GAMMA AGONIST ON ADIPONECTIN LEVELS IN THE METABOLIC SYNDROME: LESSONS FROM THE HIGH-FRUCTOSE FED RAT MODEL**  
I. Avni, Y. Kamari, M. Oron-Herman, E. Peleg, Z. Shabtay, Y. Sharabi, E. Grossman  
Hypertension Unit, C. Sheba Medical Center, Tel Hashomer, Israel

247. **EFFECT OF CHANGES IN BODY POSTURE ON VASOACTIVE HORMONES AND INSULIN IN PREECLAMPTIC WOMEN**  
R. Kaaja, A. Leinonen, P. Moore\*, T. Yandle\*, C. Frampton\*, G. Nicholls\*\*  
Helsinki University Hospital, Helsinki-Finland, \*Christchurch School of Medicine, Christchurch-New Zealand, \*\*UAE University, Al Ain-United Arab Emirates
248. **PREVALENCE AND CHARACTERISTICS OF THE METABOLIC SYNDROME IN FRANCE: THE SYMPHONIE STUDY**  
F. Thomas, B. Pannier, A. Benetos, E. Eschwege\*, Y. Leocmach\*\*, L. Guize  
Centre IPC, Paris, \*INSERM U258, Villejuif, \*\*Laboratoire Fournier, Garches, France
249. **INFLUENCE OF HIGH FAT MEAL ON SELECTED PROINFLAMMATORY CHEMOKINES CONCENTRATION IN METABOLIC SYNDROME**  
M. Luczak, D. Pupek-Musialik, J. Dytfeld, M. Cymerys, A. Miczke, P. Bogdanski, W. Bryl  
University of Medical Sciences, Poznan, Poland
250. **NADPH OXIDASE-DEPENDENT SUPEROXIDE ANION PRODUCTION IS INCREASED IN PHAGOCYtic CELLS FROM PATIENTS WITH METABOLIC SYNDROME**  
G. San José, A. Fortuño, M.U. Moreno, R. Ros, A. Montoya, J. Díez, G. Zalba  
Center for Applied Medical Research, Pamplona, Spain
251. **DECREASED INSULIN SENSITIVITY AND HIGH PLASMA LEVELS OF PAI-1 AND NEFA IN YOUNG LEAN HYPERTENSIVE MEN**  
A. Penesova, Z. Radikova, E. Cizmarova\*, P. Blazicek\*\*, M. Vidas, J. Koska  
Institute of Experimental Endocrinology, SAS, Bratislava-Slovakia, \*Department of Pediatric Cardiology Karlova Ves, Bratislava-Slovakia, \*\*Hospital of Ministry of Defence, Bratislava-Slovakia
252. **HYPERTENSION, OBESITY AND CARDIOVASCULAR DISEASE FOLLOWING RENAL TRANSPLANTATION**  
V. Teplan, J. Stribrna, V. Hanzal, M. Burgelova, R. Poledne, S. Vitko  
Institute for Clinical and Experimental Medicine, Prague 4-Czech Republic
253. **EFFECTS OF MOXONIDIN ON GLUCOSE AND LIPIDS METABOLISM AND BLOOD PRESSURE IN PATIENTS WITH MILD HYPERTENSION AND METABOLIC SYNDROME**  
I. Chazova, V. Mychka  
Russian Cardiology Research Complex, Moscow, Russian Federation
254. **METABOLIC SYNDROME IS VERY FREQUENT IN HYPERTENSION BUT IS OFTEN MISDIAGNOSED IN PRIMARY CARE. DATA FROM THE PRESCOT SYUDY**  
V. Barrios, A. Calderón\*, J.L. Llisterri\*\*, E. Alegría\*\*\*, J. Muñoz°, A. Matalí°, R. de Castellar°°°  
Hospital Ramón y Cajal, Madrid, \*CS Rosa Luxemburgo, San Sebastián de los Reyes, \*\*CS Ingeniero Joaquín Benlloch, Valencia, \*\*\*Clínica Universitaria, Pamplona, °Instituto Universitario Ciencias de la Salud, La Coruña, °°Medical Department Almirall Spain, Barcelona, °°°Biométrica, Barcelona, Spain
255. **METABOLIC SYNDROME IS CHARACTERIZED BY AN INCREASED PREVALENCE OF BLUNTED NOCTURNAL AMBULATORY BLOOD PRESSURE**  
R. Hermida, C. Calvo\*, D.E. Ayala, M. Covelo\*, M. Rodríguez\*, A. Mojón, J.R. Fernández, I. Alonso, M.J. Fontao, R. Soler, J.E. López\*  
Bioengineering & Chronobiology Labs., Vigo, \*Hypertension Unit, Hospital Clínico, Santiago, Spain
256. **METABOLIC SYNDROME IN ELDERLY; PREVALENCE USING THE TWO PROPOSED DEFINITIONS, RELATION WITH CORONARY ARTERY DISEASE, CEREBROVASCULAR DISEASE AND C-REACTIVE PROTEIN**  
M. Halil, M. Cankurtaran, B.B. Yavuz, S. Ariogul  
Hacettepe University, Medical Faculty Hospital, Ankara, Turkey

257. **MORBIDLY OBESE PATIENTS WITHOUT CV RISK FACTORS HAVE NORMAL ARTERIAL ELASTICITY AND DO NOT IMPROVE FOLLOWING SIGNIFICANT WEIGHT LOSS. HOWEVER IF CV RISK FACTORS ARE PRESENT THEIR ARTERIAL ELASTICITY IS IMPAIRED AND IMPROVES SIGNIFICANTLY AFTER WEIGH**  
M. Shargorodsky, A. Flied, D. Gavish, M. Boaz, R. Zimlichman\*  
Wolfson Medical Center, Holon-Israel, \*The Brunner Institute for Cardiovascular Research, Tel Aviv-Israel
258. **BETA CELL FUNCTION, INSULIN RESISTANCE INDEXES, BP VALUES AND CARDIAC AUTONOMIC MODULATION IN OBESE CHILDREN WITH AND WITHOUT TYPE 2 DIABETES MELLITUS**  
F. Rabbia, F. Cerutti\*, G. Pacini\*\*, G. Leotta, A. Bobbio\*, A. Canadè, C. Pugni, C. Bertello, S.O.M Del Colle, A. Verhovez, F. Veglio  
Hypertension Unit, University of Turin, Turin, \*Pediatric Dept., University of Turin, Turin, \*\*Metabolic Unit, ISIB-CNR, Padova, Italy
259. **ANTIPHOSPHOLIPID AND METABOLIC SYNDROMES: ARTERIAL HYPERTENSION**  
L. Sydorчук, I. Sydorчук, R. Sydorчук  
BSMA, Chernivtsi, Ukraine
260. **24-HOUR BLOOD PRESSURE AND METABOLIC RESPONSES TO MEALS IN OBESE PATIENTS**  
O. González-Albarrán, M. Peralta, C. Roa, P. Pinés, T. Antón, J.M. Sancho  
Hospital Ramón y Cajal, Madrid-Spain
261. **INFLUENCE OF OBESITY AND ARTERIAL HYPERTENSION ON CARDIAC GEOMETRY AND FUNCTION IN OBESE PATIENTS**  
E. Shavarova, E. Nikitina, N. Vahrameeva, A. Krutikov, A. Conrady  
Research Institute of Cardiology, Saint-Petersburg, Russian Federation
262. **WEIGHT LOSS AND MILD PHYSICAL ACTIVITY IMPROVE SMALL AND LARGE ARTERIAL ELASTICITY AND LOWER BLOOD PRESSURE IN OBESE PATIENTS**  
Y. Goldberg, M. Shargorodsky, D. Gavish, R. Zimlichman\*  
Wolfson Medical Center, Holon-Israel, \*The Brunner Institute for Cardiovascular research, Tel Aviv-Israel
263. **ANALYSIS OF STATIN TITRATION IN FRANCE IN GENERAL PRACTICE**  
L. Foubert, S. Dejager\*, C. Yau\*, M. Verpilleux\*  
CHU Pitié Salpêtrière, Paris-France, \*Novartis Pharma, Rueil-Malmaison-France
264. **FATTY ACID SPECTRUM OF BLOOD PLASMA AND FOOD INTAKE IN NORMOTENSIVE AND HYPERTENSIVE MILITARY STUFF FROM BULGARIAN ARMY**  
E. Anev, K. Ramshev, F. Ribarova\*, M. Todorova\*\*  
Military Medical Academy - Clin. Intensive Therapy, Sofia-Bulgaria, \*National centre of Hygiene - Dept. of Nutrition, Sofia-Bulgaria, \*\*Medical University - Dept. of Pathophysiology, Sofia-Bulgaria
265. **THE RELATIONSHIP BETWEEN THE COMPLIANCE OF NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE AND C-REACTIVE PROTEIN LEVELS IN OBSTRUCTIVE SLEEP APNEA SYNDROME**  
K. Ishida, M. Kato, Y. Kato, Y. Kinugasa, K. Ogino, O. Igawa, I. Hisatome\*, C. Shigemasa  
Tottori University, Yonago-Japan, \*Tottori Univ. Graduate School of Medical Science, Yonago-Japan
266. **RELATIONSHIP BETWEEN CAROTID ARTERY DAMAGE AND METABOLIC SYNDROME IN A GREEK HYPERTENSIVE POPULATION**  
A. Tsakiris, M. Doumas, N. Nearchou, C. Kouremenou, I. Papadakis, P. Marnelos, V. Nikolaou, P. Skoufas  
Red Cross Hospital, Athens, Greece
267. **EFFECT OF VALSARTAN ON ADIPONECTINE, LEPTIN AND RESISTINE IN HYPERTENSIVE**

## **OBESE PATIENTS**

R. Fogari, G. Derosa, A. Mugellini, P. Preti, P. Lazzari, A. Zoppi, A. Rinaldi, M. Destro  
Depart. Internal Medicine, University of Pavia, Pavia, Italy

268. **PREVALENCE OF THE METABOLIC SYNDROME AND COGNITIVE IMPAIRMENT IN ELDERLY SUBJECTS**  
A. Maresca, E. Mainini\*, L. Perini, G. Bono, L. Greco\*, M. Mauri, E. Laurita, C. Marchesi, E. Nicolini, F. Solbiati, A. Grandi  
Dept. Clinical Medicine, University of Insubria, Varese, \*ASL Molina Foundation, Varese, Italy
269. **EFFECT OF DIET ENRICHED WITH FISH, FRUITS AND VEGETABLE ON BLOOD PRESSURE, LECITHIN: CHOLESTEROL ACYLTRANSFERASE ACTIVITY AND PLASMA FATTY ACIDS COMPOSITIONS IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
D. Krouf, M. Bouchenak, A. Cherrad\*, J. Belleville\*\*, J. Prost\*\*  
LNCM/Es-Senia University, Oran, Oran, Algeria, \*Lab. Biochemistry, Polyclin d'Eckmuhl/Oran Hospital, Oran, Algeria, \*\*UPRES Lipides Nutrition/Université de Bourgogne, Dijon, France
270. **BLOOD PRESSURES AND GLYCAEMIA, NOT INSULIN-RESISTANCE, INFLUENCE ENDOTHELIAL DYSFUNCTION IN METABOLYC SYNDROME**  
S. Cottone, G. Mulè, E. Nardi, A. Vadalà, G. Seddio, R. Arsenà, M. Guarneri, C. Briolotta, P. Cusimano, A. Palermo, G. Cerasola  
Dept. Internal Medicine, University of Palermo, Palermo, Italy
271. **BLOOD PRESSURE, OBESITY AND METABOLIC OBESITY. THEIR RELATIONSHIP IN PRIMARY CARE PATIENTS**  
E. Miquel, M. Mezquida, R. Llovet, M.I. Chacón, M. Pena, D. Bartolomé  
Primary Care Centre Mollerussa, Lleida, Spain
272. **FEATURES OF CARBOHYDRATE AND LIPID METABOLISM IN PATIENTS WITH METABOLIC SYNDROME IN COMBINATION WITH OBSTRUCTIVE SLEEP APNEA**  
R. Galyavi, A. Litvin, P. Galitsin, L. Ratova, I. Kolos, I. Chazova  
Cardiology Research Complex, Moscow, Russian Federation

Sunday, June 19

12.30 - 15.30

273. **DISTRIBUTIONAL CHARACTERISTICS OF THE SYSTOLIC AUGMENTATION INDEXES AS MEASURED BY THE SPHYGMOCOR DEVICE IN THE EUROPEAN PROJECT ON GENES IN HYPERTENSION (EPOGH)**  
W. Wojciechowska, J. Staessen\*, K. Kawecka-Jaszcz, T. Nawrot\*, M. Cwynar\*\*, J. Kuceroča\*\*\*, M. Tichá\*\*\*, T. Grodzicki\*\*, J. Filipovsky\*\*\*  
I Cardiac Dept. Jagiellonian Univ. Medical College, Cracow-Poland, \*Dept of Molecular and Cardiovasc Research, Leuven-Belgium, \*\*Dept of Int Medicine and Gerontology CMUJ, Cracow-Poland, \*\*\*Dept of Int Medicine II Charles University, Pilsen-Czech Republic
274. **EFFECTS OF FIXED PERINDOPRIL/INDAPAMIDE COMBINATIONS ON CARDIAC HYPERTROPHY AND ARTERIAL STIFFNESS IN PATIENTS WITH ARTERIAL HYPERTENSION**  
Y. Lopatin, T. Kaplanov, V. Ivanenko, N. Semenova, L. Anisimova, N. Ryazantseva  
Medical University, Cardiology Center, Volgograd, Russian Federation
275. **COMPARISON OF OSCILLOMETRIC AND TONOMETRIC DERIVED PULSE WAVE VELOCITY**  
J. Baulmann, S. Rickert, S. Rickert, U. Schillings, S. Ün, R. Düsing, H. Vetter, T. Mengden  
University of Bonn, Medizinische Poliklinik, Bonn, Germany
276. **PROLONGED TREATMENT OF HYPERTENSIVE PATIENTS WITH HCTZ AGGRAVATES METABOLIC PARAMETERS ESPECIALLY IN PATIENTS WITH NIDDM OR IFG**  
M. Shargorodsky, J Wainstein, I. Davidovitz, M. Boaz\*, R.. Zimlichman\*\*  
Wolfson Medical Center, Holon-Israel, \*Unit of Epidemiology and Statistics, Holon-Israel, \*\*The Brunner Institute for Cardiovascular research, Tel Aviv-Israel
277. **THE INFLUENCE OF FIBRILLIN-1 GENOTYPE ON THE AORTIC STIFFNESS OF MIDDLE-AGED MEN**  
R. Debasso, R.J. Turner\*, M. Sian\*, J.T. Powell\*\*, T. Länne  
Dept. of Medicine and Care, Linköping University, Linköping, Sweden, \*University Hospitals of Coventry & Warwickshire, Walsgrave, UK, \*\*Dept. of Vascular Surgery, London, UK
278. **EFFECT OF HIGH AND LOW DOSE HYDROCHLOROTHIAZIDE ON ARTERIAL ELASTICITY AND HEMODYNAMIC PARAMETERS IN PATIENTS WITH HYPERTENSION, IMPAIRED FASTING GLUCOSE AND NIDDM**  
M. Shargorodsky, J. Wainstein, I Davidovitz, M. Boaz\*, R. Zimlichman\*\*  
Wolfson Medical Center, Holon, Israel, \*Unit of Epidemiology and Statistics, Holon, Israel \*\*The Brunner Institute for Cardiovascular Research, Tel Aviv, Israel
279. **IS IT POSSIBLE TO EFFECTIVELY LOWER PULSE PRESSURE IN HYPERTENSIVES WITH TYPE 2 DIABETES?**  
S. Laurent, A. Grimaldi\*, F. Soppelsa\*\*, D. Molle\*\*\*  
Pharmacology and INSERM U 652, Pompidou Hospital, Paris, \*Pharmacology and INSERM U 652, Pompidou Hospital, Paris, \*\*Cardiology, Fleury-Merogis, \*\*\*Pharmacology, Rouen, France
280. **MICROALBUMINURIA AS A MARKER OF SUBCLINICAL CAROTID ARTERY DISEASE IN PATIENTS WITH PRIMARY HYPERTENSION. DIFFERENCE BETWEEN DIPPERS AND NON DIPPERS**  
D. Xydakis, A. Papadogiannakis, M. Sfakianaki\*, K. Papachristoforou  
Nephrology Department, Venizeleio Hospital, Heraklion, \*2nd Internal Medicine Department, Venizeleio Hosp., Heraklion, Greece
281. **LONG TERM ORAL SUPPLEMENTATION OF L-ARGININE IMPROVES ARTERIAL ELASTICITY AND HEMODYNAMIC VARIABLES**  
H. Gutman, M. Shargorodsky\*, R. Brendeis, D. Gavish\*, R. Zimlichman\*\*  
The Israeli Institute for Biological Research, NES Ziona-Israel, \*Wolfson Medical Center, Holon-Israel, \*\*The Brunner Institute for Cardiovascular Research, Tel Aviv-Israel

282. **DIFFUSION LUNG CAPACITY FOR CARBON MONOXIDE IS SIGNIFICANTLY IMPAIRED IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
M. Picca, F. Agozzino, G.C. Pelosi  
Ospedale Fatebenefratelli e Oftalmico-Pomm, Milan, Italy
283. **AORTIC STIFFNESS IN UNTREATED HYPERTENSIVE PATIENTS: INFLUENCE OF METABOLIC SYNDROME**  
G. Mulè, S. Cottone, R. Mongioli, G. Mezzatesta, P. Cusimano, V. Volpe, G. Piazza, E. Nardi, G. Cerasola  
Dipart. Medicina Interna, M.Cardiovascol. e Renali, Palermo, Italy
284. **AORTIC ELASTIC PROPERTIES IN PREHYPERTENSION**  
T. Celik, H. Kursaklioglu, A. Iysoy, S. Kose, B. Amasyali, S. Demirkol  
Gulhane Military Medical Academy, Ankara, Turkey
285. **TAKAYASU'S ARTERITIS AND HYPERTENSION IN NON-ASIAN PATIENTS**  
I. Cybulska, E. Florczak, M. Makowiecka-Ciesla, H. Janaszek-Sitkowska, T. Zielinski, M. Januszewicz\*, A. Januszewicz  
Institute of Cardiology, Warsaw, \*Medical University of Warsaw, Warsaw, Poland
286. **HYPERTENSION AND PREMATURE PERIPHERAL ARTERIAL DISEASE**  
P. Levy, S. Jackson, T. McCoy, K. Hansen, R. Smith, C. Ferrario  
Wake Forest University School of Medicine, Winston-Salem, USA
287. **PREVALENCE AND CORRELATES OF ADVANCED RETINOPATHY IN A LARGE SELECTED HYPERTENSIVE POPULATION. THE EVALUATION OF TARGET ORGAN DAMAGE IN HYPERTENSION (ETODH) STUDY**  
C. Valerio, C. Cuspidi\*, S. Meani, V. Fusi, E. Catini\*, F. Magrini, A. Zanchetti\*\*  
Istituto di Medicina Cardiovascolare, Univ. Milan, Milan, \*Ospedale Maggiore, Milan, \*\*Centro Fisiol. Clinica e Ipertensione, Univ. Milan, Milan, Italy
288. **COMPARISON OF THE EFFECTS ACE INHIBITORS AND DIURETICS ON ARTERIAL COMPLIANCE, PULSE PRESSURE, LEFT VENTRICULAR MASS AND RENAL HEMODYNAMIC PARAMETERS IN YOUNG HYPERTENSIVE PATIENTS WITH NORMAL AND IMPAIRED AORTIC COMPLIANCE**  
B. Krasinska, P. Lopatka, O. Trojnarska\*, Z. Krasinski\*\*, A. Tykarski  
Department of Hypertension, Poznan, \*Department of Cardiology, Poznan, \*\*Department of Vascular Surgery, Poznan, Poland
289. **ASCENDING AORTIC BLOOD PRESSURE-DERIVED INDICES ARE NOT CORRELATED WITH THE EXTENT OF CORONARY ARTERY DISEASE IN PATIENTS WITH IMPAIRED LEFT VENTRICULAR FUNCTION**  
P. Jankowski, D. Czarnecka, L. Bryniarski, M. Brzozowska-Kiszka, A. Posnik-Urbanska, K. Styczkiewicz, J. Dragan, A. Klecha, S. Surowiec, K. Kawecka-Jaszcz  
I Department of Cardiology, CM UJ, Krakow, Poland
290. **PRESSURE-INDEPENDENT AND DOSE-DEPENDENT REMODELING OF THE CAROTID ARTERY AFTER PERINDOPRIL IN DIABETIC HYPERTENSIVE PATIENTS**  
A.I. Tropeano, P. Boutouyrie\*, B. Pannier\*\*, R. Joannides\*\*\*, E. Balkestein°, B. Laloux°, C. Thuilliez\*\*\*, H. Struijker Boudier°, S. Laurent  
Pharmacology and INSERM U 652, Pompidou Hospital, Paris-France, \*Pharmacology and INSERM U 652, Pompidou Hospital, Paris-France, \*\*Cardiology, Fleury-Merogis-France, \*\*\*Pharmacology, Rouen-France, °Pharmacology, Maastricht-Netherlands, °°Pharmacology and INSERM U 652, Pompidou Hospital, Paris-France
291. **RAMIPRIL REDUCES LARGE ARTERY STIFFNESS IN PERIPHERAL ARTERIAL DISEASE AND PROMOTES ELASTOGENIC REMODELLING IN HUMAN SMOOTH MUSCLE CELL CULTURE**  
A.A. Ahimastos, A.K. Natoli, A. Lawler\*, P.A. Blombery\*, B.A. Kingwell  
Baker Heart Research Institute, Melbourne-Australia, \*Dept of Cardiovascular Medicine, Alfred Hospital, Melbourne-Australia

292. **RELATIONSHIP BETWEEN DIPPING STATUS AND AORTIC STIFFNESS IN THE EARLY STAGES OF ESSENTIAL HYPERTENSION**  
D. Chatzis, C. Tsioufis, K. Dimitriadis, E. Taxiarchou, V. Chatzistamatiou, P. Missovoulos, A. Kakkavas, C. Stefanadis, I. Kallikazaros  
Department of Cardiology, Hippokration Hospital, Athens-Greece
293. **THE ASSOCIATION BETWEEN ARTERIAL PROPERTIES AND ENDOTHELIAL NITRIC OXIDE SYNTHASE GENE POLYMORPHISM IN A POPULATION SAMPLE**  
O. Mayer Jr., J. Filipovsky, M. Pesta, M. Dolejsova, J. Kucerova  
Dept. Internal Medicine II, Pilsen, Czech Republic
294. **AORTIC STIFFNESS AND WAVE REFLECTION IN ELDERLY PATIENTS WITH CARDIOVASCULAR DISEASE AND IN HEALTHY SUBJECTS**  
J. Filipovsky, P. Roucka, O. Mayer Jr., J. Blacher\*, M. Dolejsova  
Dept. Internal Medicine II, Pilsen-Czech Republic, \*Diagnostic Centre, Hotel-Dieu Hospital, Paris-France
295. **ENDOTHELIAL-DEPENDENT VASODILATATION, ARTERIAL STIFFNESS AND INTIMA-MEDIA THICKNESS IN PATIENTS WITH FAMILIAL ARTERIAL HYPERTENSION**  
O. Pogorelova, T. Balakhonova, T. Fofanova, S. Gaman, F. Ageev, A. Rogoza  
Cardiology Research Complex, Moscow, Russian Federation
296. **AMBULATORY ARTERIAL STIFFNESS INDEX DERIVED FROM 24-HOUR AMBULATORY BLOOD PRESSURE MONITORING**  
Y. Li, J.G. Wang\*, E. Dolan\*\*, P.J. Gao, H.F. Guo, T. Nawrot\*, A. Stanton\*\*, D.L. Zhu, E. O'Brien\*\*, J.A. Staessen\*  
Ruijin Hospital, Shanghai Second Medical University, Shanghai-China, \*Hypertension Unit, University of Leuven, Leuven-Belgium, \*\*Adapt Centre, Beaumont Hospital, Dublin-Ireland
297. **EFFECT OF EXPERIMENTAL INFLAMMATION ON RAT AORTIC PULSE WAVE VELOCITY**  
M. Butlin, A. Avolio, L.H. Kong, W. Binder, I. Wilkinson\*  
University of New South Wales, Sydney-Australia, \*University of Cambridge, Cambridge-United Kingdom
298. **AGE AND THE PRESENCE OF HYPERTENSION RATHER THAN THE METABOLIC SYNDROME OR DIABETES ARE THE CRITICAL FACTORS AFFECTING NON-INVASIVELY – DETERMINED ARTERIAL PROPERTIES**  
M. Yaron, J.B. Rosenfeld, E. Izkhakov, Y. Marcus, K. Tordjman, Y. Greenman, G. Shenkerman, N. Stern  
Tel Aviv - Sourasky Medical Center, Tel Aviv-Israel
299. **HAVE KIDNEY TRANSPLANTATION PATIENTS A HIGHER ARTERIAL STIFFNESS INDEPENDENTLY OF THE AGE?**  
J. Bonet, M.C. Pastor, B. Bayes, M. Navarro, R. Lauzurica, X. Vazquez, R. Romero  
Hospital Universitari Germans Trias i Pujol, Badalona-Spain
300. **AORTIC PULSE WAVE VELOCITY IN OBESE, OVERWEIGHT AND NONOBESE POSTMENOPAUSAL WOMEN**  
O. Kislyak, A. Starodubova, G. Storozhakov  
Russian State Medical University, Moscow-Russian Federation
301. **STUDY OF BIOLOGICAL PARAMETERS RELATED WITH ATHEROSCLEROSIS AND ITS POSSIBLE RELATION WITH A INCREASED ARTERIAL STIFFNESS IN HYPERTENSIVE PATIENTS**  
J. Bonet, M.C. Pastor, I. Agraz, J. Ara, X. Vazquez, R. Romero  
Hospital Universitari Germans Trias I Pujol, Badalona-Spain
302. **ARTERIAL STIFFNESS AND CAROTID WALL CHARACTERISTICS IN POST-MENOPAUSAL WOMEN WITH AND WITHOUT OSTEOPOROSIS**  
R. Grella, B. Jiang, S.C. Millasseau, M. Frost\*, G. Hampson, I. Fogelman\*, P.J. Chowienczyk

St. Thomas' Hospital, London-United Kingdom, \*Guy's Hospital, London-United Kingdom

303. **PULSE WAVE VELOCITY AND CARDIOVASCULAR DISEASE IN A GENERAL POPULATION**  
T. Hansen, J. Jeppesen\*, S. Rasmussen\*, H. Ibsen\*, C. Torp-Pedersen\*\*, Research Center for Prevention and Health, Copenhagen, \*Glostrup University Hospital, Copenhagen, \*\*Bispebjerg Hospital, Copenhagen NV, Denmark
304. **ARTERIAL STIFFNESS AND COLLAGEN TYPE-I TURNOVER IN HYPERTENSION**  
M. McNulty, A. Mahmud, J.P. Spiers, J. Feely  
Trinity College, Dublin, Ireland
305. **ASSOCIATION OF AORTIC STIFFNESS WITH BRAIN NATRIURETIC PEPTIDE PLASMA LEVELS IN THE EARLY COURSE OF ESSENTIAL HYPERTENSION**  
D. Chatzis, C. Tsioufis, K. Dimitriadis, P. Stougiannos, G. Chartzoylakis, P. Toutouzas, C. Stefanadis, I. Kallikazaros  
Department of Cardiology, Hippokration Hospital, Athens, Greece
306. **EFFECTS OF AGEING AND HYPERTENSION ON VASCULAR RESPONSES IN HUMAN RESISTANCE ARTERIES**  
M.A. James, J. Tullett\*, A.G. Hemsley, A.C. Shore\*  
Royal Devon & Exeter Hospital, Exeter, \*Peninsula Medical School, Exeter, UK

Sunday, June 19

12.30 - 15.30

307. **CHRONIC TREATMENT WITH SUPEROXIDE SCAVENGER, TEMPOL, MARKEDLY IMPROVES ANGIOTENSIN II INDUCED RENAL INJURY AND MORTALITY IN ENDOTHELIAL NITRIC OXIDE SYNTHASE DEFICIENT MICE**  
D. Majid, M. Haque, A. Castillo, M. Graciano  
Tulane University Health Sciences Center, New Orleans, USA
308. **THE NOVEL ROLE OF FOUR-AND-HALF LIM DOMAIN 2 PROTEIN IN LEAD-INDUCED HYPERTENSION**  
P.-H. Chu, J.-L. Lin, D.-T. Lin-Tan, S.-M. Jung  
Chang Gung Memorial Hospital, Taipei-Taiwan, Province of China
309. **COENZYME Q AND ALPHA-TOCOPHEROL IN BRAIN OF SPONTANEOUSLY HYPERTENSIVE STROKE-PRONE RATS DURING AGING**  
E. Kalenikova, E. Gorodetskaya, A. Murashev\*, O. Medvedev  
Moscow State University, Moscow-Russian Federation, \*Branch of Institute of Organic Chemistry, Puschino-Russian Federation
310. **EARLY ONSET OF A DECREASED INTRACELLULAR MAGNESIUM AND PHOSPHATE CONCENTRATION IN SMOOTH MUSCLE CELLS OF SHR**  
K. Kisters, F. Wessels, B. Gremmler\*, M. Quang Nguyen, M. Kosch\*\*, M. Hausberg\*\*  
Dept Medicine I, St. Anna Hospital, Herne-Germany, \*Dept Medicine, Marienhospital, Bottrop-Germany\*\*Dept Medicine D, University of Muenster, Muenster-Germany,
311. **VASODILATING EFFECTS OF THE LOW AFFINITY STATE BETA1-ADRENOCEPTORS IN RATS**  
D. Holopherne, Y. Mallem, V. Bucas, M. Gogny, J.-C. Desfontis  
ENV Nantes,Nantes-France
312. **THE ROLE OF TASTE SENSITIVITY OF THE TONGUE RECEPTORS TO THE SALT IN MECHANISMS OF SALT SENSITIVE ESSENTIAL ARTERIAL HYPERTENSION FORMATION**  
V. Tseluyko, A. Lvova, A. Zhadan  
Kharkiv Medical Academy of Postgraduate Education, Kharkiv-Ukraine
313. **THE CELLULAR MECHANISMS INVOLVED IN THE VASODILATOR EFFECT OF NEBIVOLOL ON THE RENAL ARTERY**  
A. Georgescu  
Inst. Cell. Biol. Pathol. "Nicolae Simionescu", Bucharest-Romania
314. **THE EFFECT OF ANTIOXIDANTS ON THE NITRIC OXIDE BALANCE AND PREVENTION OF SPONTANEOUS HYPERTENSION**  
O. Pechanova, S. Kojsova, L. Paulis\*, P. Janega, J. Zicha\*\*, Z. Dobesova\*\*, J. Kunes\*\*, F. Simko\*, R. Andriantsitohaina\*\*\*  
Inst Normal Pathol Physiol SAS, Bratislava-Slovakia, \*Medical Faculty, Comenius Univ, Bratislava-Slovakia, \*\*Institute of Physiology, AS CR, Prague-Czech Republic, \*\*\*Université Louis Pasteur de Strasbourg, UMR CNRS, Illkirch-France
315. **BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELLS SENESENCE IN SPONTANEOUSLY HYPERTENSIVE RATS**  
K. Kobayashi, T. Imanishi, C. Moriwaki, T. Hano, I. Nishio  
Wakayama Medical University, Wakayama-Japan
316. **MATERNAL-FETAL TRANSPORT CHARACTERISTICS OF L-LEUCINE IN PREECLAMPTIC PREGNANCIES: IN VITRO STUDY**  
N. Moorkath, E. Al-Saleh  
Faculty of Medicine, Kuwait

317. **A NEW SYSTEM OF PROLONGED NITRIC OXIDE GENERATION ON BASIS OF CONTROLLED-RELEASE POLYMER, POLYHYDROXYBUTYRATE**  
A. Bonartsev, A. Postnikov, A. Iordansky\*, N. Medvedeva  
M.V.Lomonosov Moscow State University, Moscow-Russian Federation, \*N.N.Semenov Institute of Chemical Physics RAS, Moscow-Russian Federation
318. **ALDOSTERONE EFFECTS ON THE EXPRESSION OF RENAL L-TYPE AMINO ACID TRANSPORTER 2**  
M.J. Pinho, P. Soares-da-Silva  
I. Pharmacology Therapeutics-Faculty Medicine, Porto-Portugal
319. **RENAL SYMPATHETIC, BUT NOT TUBULOGLOMERULAR FEEDBACK, ACTIVITY IS ENHANCED IN CONGENIC WKY RATS WITH CHROMOSOME 1 QTL OF STROKE-PRONE SHR**  
M. Kawabata, T. Wang\*, T. Nabika\*\*, M. Haneda\*, T. Takabatake\*  
Tsuruga Municipal Hospital, Tsuruga-Japan, \*Dept of Int Med, Shimane Univ School of Med, Izumo-Japan, \*\*Dept of Pathology, Shimane Univ School of Med, Izumo-Japan
320. **EFFECTS OF TRANSPLANTATION OF BONE MARROW-MONONUCLEAR CELLS ISOLATED FROM SPONTANEOUSLY HYPERTENSIVE RAT IN ISCHEMIC MYOCARDIUM**  
M. Obana, T. Imanishi, Y. Matsuo, T. Hano, I. Nishio  
Wakayama Medical University, Wakayama City-Japan
321. **ACUTE ORAL PEGYLATED HUMAN BNP ACTIVATES cGMP AND DECREASES MEAN ARTERIAL PRESSURE IN NORMAL DOGS**  
A. Cataliotti, J.A. Schriger, F.L. Martin, H.H. Chen, L.S. Malatino, K.D. James\*, M.A. Miller\*, N.B. Malkar\*, N.N. Ekwuribe\*, J.C. Burnett  
Mayo Clinic and Foundation, Rochester-United States of America, \*Nobex Corporation, Research Triangle Park-United States of America
322. **NOREPINEPHRINE-RELEASE IN ISOLATED PERFUSED KIDNEYS OF WILDTYPE AND ALPHA2A ADRENOCEPTOR KO-MICE**  
S. Habel, J. Sttegbauer, L. Hein\*, L.-C. Rump, O. Vonend  
Marienhospital Herne Med I, Herne-Germany, \*Department of Pharmacology, Wuerzburg-Germany
323. **NAD(P)H OXIDASE SUBUNIT, P47PHOX, DEFICIENCY PREVENTS BLOOD PRESSURE ELEVATION AND VASCULAR REMODELING IN ANGIOTESIN II-INFUSED MICE**  
J.B. Park, Y.M. Park, B.-H. Lim  
Samsung Cheil Hospital, Sungkyunkwan University, Seoul-Korea, Republic of
324. **CARDIOVASCULAR AND RENAL NITRIC OXIDE SYNTHASE ACTIVITY AND ATRIAL NATRIURETIC PEPTIDE IN SPONTANEOUS HYPERTENSIVE RATS**  
M.A. Costa, R. Elesgaray, C. Caniffi, G. Lencinas, A.M. Balaszczuk, C.T. Arranz FfyB, University of Buenos Aires, Iquimefa-Conicet-Argentina
325. **MODEST ACIDIFICATION SUPPRESSES DEATH OF OUABAIN-TREATED CELLS: EVIDENCE FOR H<sup>+</sup>-MEDIATED EXPRESSION OF CELL DEATH INHIBITOR**  
S.N. Orlov, O.A. Akimova, D. Pchezhetski, P. Hamet  
CHUM Research Centre, Montreal-Canada
326. **ANGIOTENSIN-DEPENDENT SYMPATHETIC VASOCONSTRICTION IN SHR: THE EFFECT OF CAPTOPRIL TREATMENT IN YOUNG ANIMALS**  
J. Kunes, Z. Dobesova, J. Zicha  
CECR, Institute of Physiology AS CR, Prague-Czech Republic
327. **AUGMENTED NIFEDIPINE-SENSITIVE COMPONENT OF BLOOD PRESSURE (BP) IN SHR: THE RELATIONSHIP TO SYMPATHETIC HYPERACTIVITY**  
J. Zicha, Z. Dobesova, J. Kunes  
CECR, Institute of Physiology AS CR, Prague-Czech Republic

328. **EFFECTS OF FESOD ON HEAMODYNAMIC PARAMETERS AND OXIDATIVE STATUS IN SH RATS**  
T. Popovic, D.J. Jovovic, Z. Miloradovic, N. Mihailovic-Stanojevic, M. Spasic\*  
Institute for Medical Research, Belgrade-Yugoslavia, \*Institute for Biological Research, Belgrade-Yugoslavia
329. **AMLODIPINE INITIATES LEFT VENTRICULAR HYPERTROPHY (LVH) REGRESSION IN THE SUBEPICARDIUM OF SPONTANEOUSLY HYPERTENSIVE RATS (SHR) BY INTERSTITIAL FIBROBLASTS APOPTOSIS**  
D. Duguay, S. Pesant, D. deBlois  
CR-CHUM, Université de Montréal, Montréal-Canada
330. **THE ROLE OF LOW AFFINITY-STATE BETA1-ADRENOCEPTORS IN PINDOLOL AND ALPRENOLOL-MEDIATED VASODILATION IN RAT AORTA**  
Y. Mallem, H. Renoul, M. Gogny, J.-C. Desfontis  
ENV Nantes, Nantes, France
331. **REALIZATION OF THE NATIONAL PROGRAM ON ARTERIAL HYPERTENSION PREVENTION AND CONTROL IN LARGE INDUSTRIAL REGION OF UKRAINE - KHARKOV REGION**  
S.N. Koval, L.V. Maslyaeva, M.M. Dunaevskaya, V.S. Konkova, V.L. Shkapo  
Institute of Therapy, Kharkov-Ukraine
332. **L-DOPA UPTAKE IN AGED PROXIMAL TUBULE KIDNEY CELLS**  
E. Silva, P. Soares-da-Silva  
Inst. Pharmacology & Therapeutics, Fac. Medicine, Porto-Portugal
333. **MODULATION OF CARDIAC AND AORTIC PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR-GAMMA EXPRESSION BY OXIDATIVE STRESS IN CHRONICALLY GLUCOSE FED RATS**  
A. El Midaoui, L. Wu\*, R. Wang\*, J. De Champlain  
University of Montreal, Montreal-Canada, \*University of Saskatchewan, Saskatoon-Canada
334. **RESEARCH OF HEREDITARY PREDISPOSITION TO THE METABOLIC SYNDROME X AND DEFINITION OF ITS GENETIC MARKERS**  
S. Koval, I. Snegurskaya, S. Shtandel, D. Miloslavsky, V. Bozhko, O. Mysnychenko  
Institute of Therapy, Kharkov-Ukraine
335. **ROLE OF NAD(P)H OXIDASE SUBUNIT P47PHOX ON BLOOD PRESSURE ELEVATION AND AORTIC AND CARDIO-RENAL HYPERTROPHY IN ALDOSTERONE-INFUSED RATS**  
J.B. Park, Y.M. Park  
Samsung Cheil Hospital, Sungkyunkwan University, Seoul-Korea, Republic of
336. **TISSUE KALLIKREIN AND RENOVASCULAR HYPERTENSION**  
V. Griol-Charhbil, L. Sabbah\*, P. Bruneval, P. Meneton, F. Alhenc-Gelas, C. Richer  
Inserm U652, Paris-France, \*Inserm U633, Paris-France
337. **INSULIN SENSITIZERS DRUGS ADMINISTRATION TO A RAT MODEL OF THE METABOLIC SYNDROME: EFFECTS UPON GLUCOSE METABOLISM AND BLOOD PRESSURE**  
C. Ferreira, M. Cesaretti, M. Ginoza, M. Zanella, A. Ribeiro, O. Kohlmann  
Kidney and Hypertension Hospital, São Paulo-Brazil
338. **LONG-TERM RISK BENEFIT OF A FIXED DOSE COMBINATION OF ENALAPRIL/NITRENDIPINE IN HYPERTENSIVE PATIENTS FOLLOWED UP TO ONE YEAR**  
J. Combalá, A. De la Sierra\*, M. Luque\*\*, C. Pontes  
Vita P&G Company, Sant Joan Despí-Spain, \*Hypertension Unit, Hospital Clínic de Barcelona, Barcelona-Spain, \*\*Hypertension Unit, Hospital Clínic San Carlos, Madrid-Spain
339. **LATE HAEMODYNAMIC EFFECTS OF ALPHA2-ADRENORECEPTOR AGONIST INFLUENCE IN CRITICAL DEVELOPMENTAL PERIODS**

N. Feldsherova

Research Institute of Cardiology, St.Petersburg, Russian Federation

340. **DIFFERENCES BETWEEN RAMIPRIL AND ATENOLOL IN CAROTID GLOMUS AND AUTONOMIC GANGLIA PROTECTION IN SHR**

J.E. Toblli, D.R. Grana, G. Cao\*, J. Milei

Inst. Invest. Cardiológicas - UBA, Buenos Aires-Argentina, \*Lab Exp Med, Hospital Alemán, Buenos Aires-Argentina

Sunday, June 19

12.30 - 15.30

341. **EFFECTS OF ENDOTHELIN RECEPTORS ETA AND ETB BLOCKADE ON SYSTEMIC AND RENAL HEMODYNAMICS IN COHEN-ROSENTHAL DIABETIC HYPERTENSIVE RATS**  
C. Hofman, B.N. Francis\*, T. Rosenthal, J. Winaver\*, I. Rubinstein\*, E. Ovcharenko\*, Z. Abassi\*  
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv-Israel, \*Dep. of Physiology, Faculty of Medicine, Technion, Haifa-Israel
342. **THE POSSIBLE ROLE OF AN ENDOTHELIN-1-GENE-POLYMORPHISM IN THE PROMOTOR REGION FOR SEVERE ESSENTIAL HYPERTENSION, ATHEROSCLEROSIS AND VASCULAR EVENTS**  
E.G. Schulz, A.K. Hesse\*, A. Popov\*\*, S. Ibrovic\*, R. Vasko\*, N. Fischer, G.A. Müller\*  
Center of Nephrology and Dialysis Bovenden, Bovenden, \*Dpt. Nephrology/Rheumatology University Hospital, Goettingen, \*\*Dpt. Cardiac, Thorac., Vasc. Surgery Univ. Hosp., Goettingen, Germany
343. **CARDIAC EFFECTS OF OXYTOCIN IN FEMALE SPONTANEOUSLY HYPERTENSIVE RATS**  
M. Jankowski, D. Wang, M. Gangal, M. Marcinkiewicz, J. Gutkowska  
CHUM/Hotel-Dieu Res.Center, Montreal, Canada
344. **PST 2238 TREATMENT AFFECTS GENE EXPRESSION IN ARTERIOTOMY-INJURED MILAN HYPERTENSIVE RAT STRAIN CAROTIDS**  
A. Forte, U. Galderisi, M. De Feo\*, G. Rodolico, P. Santè\*, A. Renzulli\*\*, L. Berrino, M. Cipollaro, M. Cotrufo\*, F. Rossi, A. Cascino  
Dept. of Exp. Medicine, Second Univ. of Naples, Naples, \*Dept. Cardiothor. Sciences, Second Univ. of Naples, Naples, \*\*Cardiac Surgery Unit, Magna Graecia University, Catanzaro, Italy
345. **EFFECTS OF N521D POLYMORPHISM IN NATRIURETIC PEPTIDE RECEPTOR TYPE C (NPRC) GENE ON ALBUMINURIA AND BLOOD PRESSURE IN ALBUMINURIC TYPE 2 DIABETIC PATIENTS: THE DIABHYCAR STUDY**  
N. Bellili, R. Roussel\*, S. Hadjadj\*\*, G. Chatellier\*\*\*, M. Lièvre°, J. Ménard\*\*\*, A. Ankotche\*, X. Jeunemaître°, M. Marre\*  
INSERM U695, X. Bichat Faculty, Paris VII, Paris, \*Diabetology Unit, Bichat Hospital, Paris, \*\*Endocrinology Unit, CHU, Poitiers, \*\*\*Public Health Department, APHP, Paris, °Service of Clinical Pharmacology, Laennec Faculty, Lyon, °°Genetics Department, HEGP, Paris, France
346. **RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND THE ACE D/I POLYMORPHISM**  
M. Cwynar, W. Wojciechowska\*, K. Stolarz\*, B. Wizner, J. Staessen\*\*, L. Citterio\*\*\*, K. Kawecka-Jaszcz\*, T. Grodzicki  
Department of Internal Medicine and Gerontology, Cracow, \*I Cardiac Department Medical College JU, Cracow, Poland, \*\*The Study Coordinating Centre, Hyp.and Card.Reh.U, Leuven, Belgium, \*\*\*The Cattedra e Scuola di Nefrologia, Milan, Italy
347. **THE ASSOCIATION OF ATP2A2 POLYMORPHISMS WITH ESSENTIAL HYPERTENSION IN PATIENTS WITH OR WITHOUT LEFT VENTRICULAR HYPERTROPHY**  
B. Kiec-Wilk, K. Stolarz\*, A. Olszanecka\*, M. Bodzioch, K. Kawecka-Jaszcz\*, A. Dembinska-Kiec  
Department of Clinical Biochemistry, Krakow, \*I Cardiac Department Jagiellonian Univ, Krakow, Poland
348. **GENETIC AND CLINICAL INVESTIGATIONS LOW-RENIN HYPERTENSIVE PATIENTS WITH PRIMARY ALDOSTERONISM**  
K. Samedova, N. Chikhladze, M. Sudomoina, G. Litonova, M. Parfenov, O. Favorova, I. Chazova  
Cardiology Research Complex, Moscow-Russian Federation
349. **DISTINCT PATTERNS OF ANGIOTENSIN II TYPE 1 RECEPTOR EXPRESSION ON CIRCULATING LEUKOCYTES IN HEALTHY SUBJECTS**  
F. Marino, L. Guasti, E. Rasini, M. Cosentino, M. Legnaro, G. Gaudio, M.G. Cimpanelli, R.C. Maio, C. Crespi, L. Maroni, G.M. Frigo\*, S. Lecchini, A. Venco  
Department of Clinical Medicine, Varese, \*Department of Internal Medicine, Pavia, Italy

350. **INTERACTION BETWEEN NEDD4L AND ALFA-ADDUCIN POLYMORPHISMS ON BLOOD PRESSURE**  
 C. Lanzani, J.M. Lalouel\*, C. Tantardini, R.B. Weiss\*, S. Fattori, M.T. Sciarrone, L. Citterio, D. Cusi\*\*, G. Bianchi, P. Manunta  
 University Vita-Salute, San Raffaele Hosp., Milan, Italy, \*Department of Human Genetics, University of Utah, Salt Lake City, USA, \*\*Università Statale, Milan, Italy
351. **TWO CHAIN HIGH MOLECULAR WEIGHT KININOGEN IS INVOLVED IN THE REGULATION OF MATRIX METALLOPROTEINASE-2 EXPRESSION IN VASCULAR SMOOTH MUSCLE CELLS**  
 U. Vosgerau, E. Kaschina, M. Sommerfeld, N. Doerfel, T. Unger  
 Center for Cardiovascular Research, Charité, Berlin, Germany
352. **Lys 109 Arg AND Glu 223 Arg POLYMORPHISMS IN THE LEPTIN RECEPTOR GENE AND LEPTIN RECEPTOR NUMBER IN HEALTHY OFFSPRING OF HYPERTENSIVE PATIENTS**  
 D. Papadopoulos, T. Makris, P. Krespi, M. Gazouli\*, L. Nanis, A. Zilidis, D. Perrea\*\*, V. Votteas  
 Laiko Hospital, Athens, \*Biology Department, University of Athens, Athens, \*\*Laboratory Experimental Surgery, Surgical Research, Athens, Greece
353. **FVQ506 MUTATION AND APC-R THEIR ROLE IN THE PATIENTS SUFFERING OF STROKE**  
 T. Makris, O. Papazachou, D. Papadopoulos, P. Krespi, M. Daskalaki, I. Paizis, A. Hatzizacharias, V. Votteas  
 Laiko Hospital, Athens, Greece
354. **ASSOCIATION OF THE ANGIOTENSINOGEN HAPLOTYPE WITH INCREASED RISK OF ALDOSTERONE-PRODUCING ADENOMA**  
 G. Placha, J. Gora, A. Perkowska\*, B. Symonides, A. Kuch-Wocial, P. Jedrusik, W. Ciesla\*\*, M. Otto\*\*\*, M. Malecki\*\*\*\*, H. Ignatowska-Switalska, B. Wocial, J. Chodakowska, Z. Gaciong  
 Dept. Hypertension, Medical University of Warsaw, Warsaw, \*Transpl. Institute, Medical University of Warsaw, Warsaw, \*\*Dept. Thoracic Surg., Medical University of Warsaw, Warsaw, \*\*\*Dept. Vascular Surg., Medical University of Warsaw, Warsaw, \*\*\*\*Dept. Metabolic Diseases, Jagiellonian University, Krakow, Poland
355. **T-344C POLYMORPHISM OF ALDOSTERONE SYNTHASE GENE AND CARDIOVASCULAR REMODELING PROCESSES IN UZBEK HYPERTENSIVE PATIENTS**  
 N. Sirojiddinova, M. Eliseyeva, R. Mukhamedov\*, B. Adilov\*  
 Republic Center of Cardiology, Tashkent, Uzbekistan, \*Institute of Genetics, Plants Experimental Biology, Tashkent, Uzbekistan
356. **CHARACTERIZATION OF NEW SDHD MUTATIONS IN SPORADIC AND FAMILIAL HEAD AND NECK PARAGANGLIOMA FROM BELGIUM**  
 A. Persu, V. Grégoire\*, P. Garin\*\*, G. Mortier\*\*\*, J.-F. De Plaen, M. Hamoir°, M. Vikkula°  
 Nephrology Unit, UCL, Brussels, \*Radiotherapy Unit, UCL, Brussel, \*\*Otorhinolaryngology Unit, Mont-Godinne, Yvoir, \*\*\*Center for Medical Genetics, RUG, Gent, °Otorhinolaryngology Unit, UCL, Brussels, °Laboratory of Human Molecular Genetics, ICP, Brussels, Belgium
357. **NOCTURNAL FALL OF BLOOD PRESSURE AND THE CYP11B2 C-344T POLYMORPHISM**  
 W. Wojciechowska, K. Stolarz, A. Olszanecka, M. Cwynar\*, T. Grodzicki\*, G. Bianchi\*\*, J. Staessen\*\*\*, K. Kawecka-Jaszcz  
 I Cardiac Dept. Jagiellonian Univ. Medical College, Cracow-Poland, \*Dept of Int Medicine and Gerontology CMUJ, Cracow-Poland, \*\*Cattedra e Scuola di Nefrologia, Milan-Italy \*\*\*Dept of Molecular and Cardiovasc Research, Leuven-Belgium
358. **THE SUPEROXIDE PRODUCTION STIMULATED BY ENDOTHELIN-1 IS INDEPENDENT OF THE ERK1/2 PATHWAY IN RAT'S VASCULAR SMOOTH MUSCLE AND ENDOTHELIAL CELLS**  
 M.A. Laplante, R. Wu, J. de Champlain  
 Université de Montréal, Montréal-Canada

359. **SINGLE LOCUS AND HAPLOTYPE ANALYSES OF HUMAN GLUTATHIONE-S-TRANSFERASE TYPE MU (GSTM) GENE CLUSTER SUGGEST ASSOCIATION OF GSTM4 TO INDICES OF ENDOTHELIAL FUNCTION AND HYPERTENSION STATUS**  
N.J.R. Brain, C. Delles, J.D. McClure, W.K. Lee, M.W. McBride, R.E. Schmieder\*, A.F. Dominiczak  
BHF Glasgow Cardiovascular Research Centre, Glasgow-United Kingdom, \*University of Erlangen-Nürnberg, Erlangen-Germany
360. **ANGIOTENSIN II REGULATES VASCULAR ENDOTHELIAL GROWTH FACTOR VIA HYPOXIA INDUCIBLE FACTOR-1-ALPHA INDUCTION AND REDOX MECHANISMS IN THE KIDNEY**  
E. Sanchez-Lopez, A.F. Lopez, V. Esteban, S. Yague, J. Egido, M.V. Alvarez-Arroyo, M. Ruiz-Ortega  
Fundacion Jimenez-Diaz, Madrid, Spain
361. **HAPLOTYPE ANALYSIS OF SHR SUSTRAINS IN THE CHROMOSOME-1 BLOOD PRESSURE QTL**  
T. Nabika, Z.-H. Cui, Y. Harada  
Shimane University, School of Medicine, Izumo-Japan
362. **ASSOCIATION OF THE ARG16GLY POLYMORPHISM OF THE GENE FOR BETA2-ADRENERGIC RECEPTOR WITH ARTERIAL HYPERTENSION**  
M. Jáchymová, K. Horký, A. Jindra, J. Peleška\*, J. Bultas, A. Linhart, Z. Hlubocká, S. Heller, M. Pavlíková\*  
Charles University 1st Medical Faculty, Prague 2, \*EuroMISE, Prague, Czech Republic
363. **BETA 1 ADRENOCEPTOR GENE POLYMORPHISMS INCREASE THE RISK FOR HYPERTENSION AND MODULATE THE CARDIOVASCULAR TONUS: THE OHASAMA STUDY**  
T. Katsuya, Y. Fu, T. Ohkubo\*, K. Sugimoto, M. Kikuya\*, H. Metoki\*, K. Totsune\*, H. Rakugi, Y. Imai\*, T. Ogihara  
Osaka University, Suita-Japan, \*Tohoku University, Sendai-Japan
364. **ANP GENE POLYMORPHISMS AND CARDIAC HYPERTROPHY IN HUMAN ESSENTIAL HYPERTENSION**  
S. Rubattu, G. Bigatti\*, A. Evangelista, C. Lanzani\*, R. Stanzione, P. Manunta\*, S. Tedoldi\*, T. Arcidiacono\*, G. Bianchi\*, M. Volpe\*\*, P. Stella\*  
IRCCS Neuromed, Pozzilli, \*University Vita e Salute San Raffaele Hospital, Milan, \*\*2nd School of Medicine, University La Sapienza, Rome, Italy
365. **STUDY OF TWO ENDOTHELIAL NITRIC OXIDE SYNTHASE POLYMORPHISMS IN A HEALTHY POPULATION: RELATIONSHIP WITH SALT SENSITIVITY, NITRIC OXIDE PRODUCTION AND CARDIOVASCULAR RISK FACTORS**  
A. Alfieri, I. Hoffmann, R. Tavares-Mordwinkin\*, A. Castejon\*, L. Cubeddu\*  
Central Univ. of Venezuela, Caracas-Venezuela, \*Nova Southeastern Univ., Plantation, USA
366. **POLYMORPHISMS IN HUMAN CONNEXIN40 GENE PROMOTER ARE ASSOCIATED WITH INCREASED RISK OF HYPERTENSION**  
M. Firouzi, B. Kok, W. Spiering\*, A. Busjahn\*\*, C.R. Bezzina\*\*\*, J.M. Ruijter\*\*\*, B.P. Koeleman, M. Schipper\*\*\*\*, W.A. Groenewegen, H.J. Jongsma, P.W. de Leeuw\*  
University Medical Center Utrecht, Utrecht-Netherlands, \*University Hospital Maastricht, Maastricht-Netherlands, \*\*Franz-Volhard Clinic, Berlin-Germany, \*\*\*Academic Medical Center, Amsterdam-Netherlands, \*\*\*\*University of Utrecht, Utrecht-Netherlands
367. **C-344T POLYMORPHISM OF ALDOSTERONE SYNTHASE AND BLOOD PRESSURE IN THE ELDERLY**  
V. Tikhonoff, M. Winnicki\*, V.K. Somers\*\*, A. Rynkiewicz\*, J. Limon\*, A. Mazza, D. D'Este\*\*\*, L. Schiavon, R. Scarpa, A.C. Pessina, E. Casiglia  
University of Padova, Padova-Italy, \*University of Gdansk, Gdansk-Poland, \*\*Mayo Clinic, Rochester-United States of America, \*\*\*General Hospital of Mirano, Mirano-Italy
368. **HYPERTENSION IN G-PROTEIN  $\beta$ 3 SUBUNIT 825T ALLELE CARRIERS**  
E. Velittchenko, G. Ryabov\*, A. Avtandilov, A. Bobkov\*  
Russian Academy of Advanced Medical Studies, Moscow-Russian Federation, \*The D.I. Ivanovsky Institute of Virology, Moscow-Russian Federation

369. **BLOOD PRESSURE, RENAL HEMODYNAMICS AND POLYMORPHISMS IN OFFSPRING OF PARENTS WITH ESSENTIAL HYPERTENSION**  
K. Skov, J.K. Madsen\*, H.E. Hansen, L. Zagato\*\*, E. Frandsen\*\*\*, G. Bianchi\*\*, M.J. Mulvany\*\*\*\*  
Department of Nephrology, Aarhus University Hospit, Aarhus N.-Denmark, \*Department of Medicine, Viborg County Hospital, Viborg-Denmark, \*\*Department of Nephrology, University Vita e Salute, Milan-Italy, \*\*\*Glostrup University Hospital, Glostrup-Denmark \*\*\*\*University of Aarhus, Aarhus C-Denmark
370. **RELATIONSHIP BETWEEN SERUM CONCENTRATION OF IRBESARTAN AND THE ANTIHYPERTENSIVE RESPONSE IS DISCLOSED BY AN ANGIOTENSIN II TYPE 1 RECEPTOR POLYMORPHISM**  
L. Kurland, P. Hallberg, H. Melhus, U. Liljedahl, A-C. Syvänen, T. Kahan\*, L. Lind  
Uppsala University Hospital, Uppsala-Sweden, \*Karolinska Institutet/ Danderyd Hospital, Stockholm-Sweden
371. **SEVERE HYPERTENSION CAUSED BY ALLELES FROM NORMOTENSIVE LEWIS FOR A QUANTITATIVE TRAIT LOCUS ON CHROMOSOME 2**  
V. Eliopoulos, J. Dutil, A. Deng  
Centre de Recherche-CHUM, Montréal-Canada
372. **NO-SYNTASE GENE POLYMORPHISM AND VASCULAR REMODELING IN HYPERTENSIVE PATIENTS**  
O. Yakovleva, N. Vachrameeva\*, M. Bogdanova\*\*, V. Larionova\*\*, A. Conrady  
Research Institute of Cardiology, St. Petersburg-Russian Federation, \*Pavlov State Medical University, St. Petersburg-Russian Federation, \*\*St. Petersburg Pediatric Academy, S. Petersburg-Russian Federation
373. **HEMOXYGENASE (HO)-1 EXPRESSION, OXIDATIVE STRESS, INFLAMMATORY CYTOKINES, AND CORONARY HEART DISEASE (CHD)**  
R. Ozono, A. Brydun, F. Kono, K. Okuhara, Y. Yamamoto, Y. Watari, Y. Yano, K. Igarashi, M. Kambe, T. Oshima  
Hiroshima University School of Medicine, Hiroshima-Japan

Sunday, June 19

12.30 - 15.30

374. **AMINOPEPTIDASE B-INHIBITION ATTENUATES COLLAGEN PRODUCTION IN CARDIAC FIBROBLASTS THROUGH INHIBITION OF LYSYL OXIDASE**  
P. Lijnen, V. Petrov, R. Fagard  
Hypertension Unit, University of Leuven, KU Leuven, Leuven, Belgium
375. **TRANSFORMING GROWTH FACTOR-B1 INDUCED DIFFERENTIATION OF VASCULAR MYOFIBROBLASTS THROUGH RhoA-ROK $\alpha$  PATHWAY**  
P. Gao, W. Chen, D. Zhu  
Shanghai Institute of Hypertension, Ruijin Hospital, Shanghai-China
376. **ADRENOMEDULLIN ALLEVIATES NOT ONLY NEOINTIMAL FORMATION BUT ALSO PERIVASCULAR HYPERPLASIA FOLLOWING ARTERIAL INJURY IN RATS**  
T. Tsuruda  
University of Miyazaki, Kiyotake-Japan
377. **BLOOD PRESSURE RESPONSE TO ANGIOTENSIN II IS REDUCED IN THE INSULIN SENSITIVE LONG-LIVED TRANSGENIC DWARF RAT**  
O. Sato, N. Ashizawa, R. Imanishi, H. Kawano, K. Tanaka, S. Seto, I. Shimokawa, K. Yano  
Nagasaki University, Nagasaki City-Japan
378. **PLASMA CARDIOTROPHIN-1 IS A MARKER OF THE DEVELOPMENT AND REGRESSION OF LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVES**  
B. López, A. González, D. Martín-Raymondi\*, A. Díaz\*, J. Barba\*, L. Tomás\*\*, E. Lozano\*\*, M. Serrano\*\*, J. Díez  
Division of Cardiovascular Pathophysiology, CIMA, Pamplona, \*Division of Cardiology, University Clinic, Pamplona, \*\*Primary Care Navarra Health Service, Pamplona, Spain
379. **ADIPONECTIN AND LEPTIN PLASMA CONCENTRATIONS IN SMOKERS WITH MILD TO MODERATE ESSENTIAL HYPERTENSION AND CORONARY ARTERY DISEASE**  
K. Paschalis-Purtak, B. Pucilowska, J. Janas, A. Prejbisz, Z. Dzielinska, A. Januszewicz  
Institute of Cardiology, Warsaw, Poland
380. **C-REACTIVE PROTEIN IS MARKEDLY ELEVATED IN HYPERTENSIVE PATIENTS WITH ATRIAL FIBRILLATION COMPARED TO THOSE WITH SINUS RHYTHM**  
Y. Cavusoglu, N. Yildiz, A. Birdane, A. Parspur, B. Timuralp, C. Demirüstü, N. Ata, B. Gorenec, A. Unalir  
Osmangazi University, Cardiology Department, Eskisehir-Turkey
381. **HUMAN ATRIAL NATRIURETIC PEPTIDE IN NORMOTENSIVE AND HYPERTENSIVE PREGNANCY**  
V. Ivanovska Maleska, E. Nikolovska, K. Zafirovska\*  
Dept. of Physiology, Faculty of Medicine, Skopje-F.Y. Rep. of Macedonia, \*Dept. of Nephrology, Faculty of Medicine, Skopje-F.Y. Rep. of Macedonia
382. **ADIPONECTIN AND LEPTIN PLASMA CONCENTRATIONS IN NON-OBESE HYPERTENSIVE MEN WITH CORONARY ARTERY DISEASE WITH LEFT VENTRICULAR HYPERTROPHY**  
K. Paschalis-Purtak, B. Pucilowska, A. Klisiewicz, J. Janas, A. Prejbisz, Z. Dzielinska, A. Januszewicz  
Institute of Cardiology, Warsaw, Poland
383. **CORRELATION OF MATERNAL AND CORD BLOOD IL-6 LEVELS WITH PREGNANCY INDUCED HYPERTENSION**  
V. Jain, R. Bagga, S. Jain, N. Varma, S. Jain, S. Sharma  
Postgrad Institute of Medical Education Research, Chandigarh-India

384. **ADIPONECTIN PLASMA CONCENTRATION IN PATIENTS WITH ESSENTIAL HYPERTENSION – IS THERE RELATION TO ECHOCARDIOGRAPHIC PARAMETERS?**  
I. Cendrowska-Demkow, M. Peczkowska, A. Prejbisz, M. Kabat, J. Janas, P. Hoffman, Z. Dzielinska, R. Lorenz\*, R. Mielniczuk, M. Januszewicz\*\*, A. Januszewicz  
Institute of Cardiology, Warsaw-Poland, \*The Children's Memorial Health Institute, Warsaw-Poland  
\*\*Medical University of Warsaw, Warsaw-Poland
385. **DOES NEUROPEPTIDE Y PLAY A ROLE IN THE PATHOGENESIS OF BLOOD PRESSURE INCREASE IN ELDERLY HEALTHY SUBJECTS?**  
M. Adamczak, E. Rzepka, A. Wiecek  
Dept. of Nephrology, Endocrinol and Metab. Dis., Katowice-Poland
386. **HYPERHOMOCYSTEINEMIA PREDICTS TOTAL AND CARDIOVASCULAR MORTALITY IN HIGH RISK WOMEN**  
G.P. Rossi, G. Maiolino, M. Cesari, T.M. Seccia\*, A. Burlina\*\*, S. Zavattiero, D. Sticchi, L. Pedon\*\*\*, M. Zanchetta\*\*\*, A.C. Pessina  
University of Padua, Clinica Medica 4, Padua, \*Dept. of Medical & Surgical Sciences Univ. of Bari, Bari, \*\*University of Padua, Dept. of Pediatrics, Padua, \*\*\*Division of Cardiology, Cittadella Hospital, Cittadella, Italy
387. **IS SERUM MATRIX METALLOPROTEINASE TISSUE INHIBITOR TYPE 1 LEVELS HIGHER IN DIPPER HYPERTENSIVE PATIENTS?**  
E. Onrat, M. Serteser, A. Celik, D. Kaya\*, A. Kahraman, T. Koken, M. Alpaslan\*\*, M. Melek, C. Kilit Afyon Kocatepe University Faculty of Medicine, Afyon-Turkey, \*Ege Saglik Hospital Cardiology Department, zmir-Turkey, \*\*Selcuk University Meram Medicine Faculty, Konya-Turkey
388. **CAN NEBIVOLOL REDUCE PLATELET ACTIVATION IN HYPERTENSION: A COMPARATIVE STUDY WITH METOPROLOL**  
T. Celik, A. Iyisoy, H. Kursaklioglu, B. Amasyali, S. Kose, E. Isik  
Gulhane Military Medical Academy, Ankara-Turkey
389. **PROGNOSTIC VALUE OF SOME IMMUNOLOGICAL STATUS PECULARITIES AND ARTERIAL HYPERTENSION IN PATIENTS WITH ACUTE Q-WAVE MYOCARDIAL INFARCTION**  
O. Koval, A. Ivanov, A. Shevtsova, A. Peleshenko  
Dniepropetrovsk State Medical Academy, Dniepropetrovsk-Ukraine
390. **HOMOCYSTEINE AND ESSENTIAL HYPERTENSION**  
V. Titov, V. Dmitriev, E. Ochepkova, A. Rogoza  
Cardiology Center, Moscow-Russian Federation
391. **NT-PRO-BNP-LEVELS IN CORRELATION TO PULSE PRESSURE VALUES**  
B. Gremmler, K. Kisters\*, M. Kunert, H. Schleiting, L.J. Ulbricht  
Marienhospital, Bottrop-Germany, \*Anna-Hospital, Herne-Germany, University of Witten/Herdecke, Witten-Germany
392. **IMPAIRED CIRCADIAN RHYTHM OF BLOOD PRESSURE IN PATIENTS WITH ESSENTIAL HYPERTENSION AND INCREASED C-REACTIVE PROTEIN**  
V. Dmitriev, E. Ochepkova, V. Titov, A. Rogoza  
Cardiology Center, Moscow-Russian Federation
393. **ENDOTHELIN 1 VENOUS CONCENTRATION IN HEALTHY SUBJECTS**  
L. Zibar, J. Barbic, M. Bilandžija, G. Samardžija, M. Jakic  
University Hospital Osijek, Osijek-Croatia