### General Programme Outline / WEDNESDAY, JUNE 16

<table>
<thead>
<tr>
<th>ROOMS</th>
<th>GRAND AMPHITHEÂTRE LEVEL 0</th>
<th>ROOM MAILLOT LEVEL 2</th>
<th>ROOM 352 AB LEVEL 3</th>
<th>ROOM BORDEAUX LEVEL 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.15-8.15</td>
<td>Breakfast Workshop</td>
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<td></td>
<td>Blood pressure measurement</td>
<td>Isolated systolic hypertension: optimal treatment</td>
<td>Sleep apnea syndrome and hypertension</td>
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<td>8.30-10.30</td>
<td>Parallel Oral Session 7A</td>
<td>Parallel Oral Session 7B</td>
<td>Parallel Oral Session 7C</td>
<td></td>
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<td></td>
<td>Pharmacological treatment</td>
<td>Heart</td>
<td>Blood pressure measurement and hemodynamics</td>
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<tr>
<td>11.00-12.30</td>
<td>Parallel Oral Session 8A</td>
<td>Topical Workshop</td>
<td>Parallel Oral Session 8B</td>
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<tr>
<td></td>
<td>Pharmacological treatment</td>
<td>Baroflex and cardiovascular risk</td>
<td>Diabetes and obesity</td>
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<tr>
<td>12.30-15.30</td>
<td>Attended Poster Sessions and Lunch (Hall Maillot - Level 2)</td>
<td>Teaching Seminar</td>
<td>Teaching Seminar</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mechanisms, prevention and management of stroke in hypertension</td>
<td>Assessment of cardiovascular risk in clinical practice</td>
<td></td>
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<tr>
<td>15.30-17.00</td>
<td>Parallel Oral Session 9A</td>
<td>Topical Workshop</td>
<td>Parallel Oral Session 9B</td>
<td></td>
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<tr>
<td></td>
<td>Epidemiology and pharmacoeconomics</td>
<td>New technological approaches to find molecular targets in hypertension: application to pathology and therapeutics</td>
<td>Clinical aspects</td>
<td></td>
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<tr>
<td>17.00-18.15</td>
<td>PLENARY SESSION</td>
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<td>ESH – ESC session:</td>
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<td>Metabolic syndrome beyond hypertension: new pharmacological targets</td>
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<td>18.15</td>
<td>XIV ESH Meeting</td>
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<tr>
<td></td>
<td>Closing Remarks</td>
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<td></td>
</tr>
</tbody>
</table>
# General Programme Outline / WEDNESDAY, JUNE 16

<table>
<thead>
<tr>
<th>ROOMS</th>
<th>ROOM HAVANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEVEL 3</td>
<td></td>
</tr>
</tbody>
</table>
| 7.15-8.15 | Breakfast Workshop  
             Kaliemia and treatment of hypertension |
| 8.30-10.30 | Parallel Oral Session 7D  
                     Renal aspects |
| 11.00-12.30 | Parallel Oral Session 8C  
                        Blood pressure measurement and hemodynamics |
| 12.30-15.30 | Attended Poster Sessions and Lunch (Hall Maillot - Level 2) |
| 12.45-14.15 | “How to” session  
                      How to manage patients with mild renal function abnormalities? |
| 15.30-17.00 | Parallel Oral Session 9C  
                     Brain and cognitive function |
| 17.00-18.15 |            |
| 18.15 |            |
Wednesday, June 16
Room Maillot
Level 2

7.15-8.15 Breakfast Workshop

**Blood pressure measurement**

*Chairpersons:*
E. O’Brien *(Dublin, Ireland)*
G.S. Stergiou *(Athens, Greece)*

*How relevant is masked hypertension in clinical practice?*
G. Parati *(Milan, Italy)*

*Do we need diastolic pressure?*
E. O’Brien *(Dublin, Ireland)*

*The relevance of dipping in practice*
J. Staessen *(Leuven, Belgium)*

*Home or ABPM in young people?*
G.S. Stergiou *(Athens, Greece)*
Wednesday, June 16  
Room 352AB  
Level 3  

7.15-8.15 Breakfast Workshop

Isolated systolic hypertension: optimal treatment

Chairpersons:
L. van Bortel (Gent, Belgium)
I. Wilkinson (Cambridge, UK)  

Pathophysiology of ISH  
P. Boutouyrie (Paris, France)  

Cardiovascular risk and optimal treatment today  
I. Wilkinson (Cambridge, UK)  

Perspectives in risk diagnosis  
A. Avolio (Sydney, Australia)  

Future treatment approaches  
L. van Bortel (Gent, Belgium)  

Round table
Wednesday, June 16
Room Bordeaux
Level 3

7.15-8.15 Breakfast Workshop

**Sleep apnea syndrome and hypertension**

Chairpersons:
P. van de Borne (Brussels, Belgium)
J. Hedner (Göteborg, Sweden)

Why is sleep apnea deleterious for the cardiovascular system…?
K. Narkiewicz (Gdansk, Poland)

…and what can we do about it?
P. Escourrou (Paris, France)

Discussion
Wednesday, June 16
Room Havane
Level 3

7.15-8.15 Breakfast Workshop

Kaliemia and treatment of hypertension

Chairpersons:
D. Grobbee (Utrecht, The Netherlands)
V. Papademetriou (Washington, USA)

Dietary potassium supplements, blood pressure and health outcomes
D. Grobbee (Utrecht, The Netherlands)

Diuretic-induced hypokaliema. Is it still important?
V. Papademtriou (Washington, USA)
APPLANATION TONOMETRY: SYSTOLIC BLOOD PRESSURE AND PULSE PRESSURE (PP) UNDER TREATMENT WITH INDAPAMIDE SR VERSUS CANDESARTAN AND AMLODIPINE: THE X-CELLENT TONOMETRY STUDY
G. London, R. Schmieder*, C. Calvo**
Service de néphrologie, Hôpital Manhès, Ste Geneviève des Bois, France, *Medizinische Klinik IV, Erlangen, Germany, **Hospital Clínico Santiago de Compostela, Spain

SYSTOLIC AND DIASTOLIC BLOOD PRESSURE LOWERING AS DETERMINANTS OF CARDIOVASCULAR OUTCOME ON ANTIHYPERTENSIVE DRUG TREATMENT
J.G. Wang(*), J.A. Staessen, S.S. Franklin**, R. Fagard, F. Gueyffier***
Hypertension Unit, University of Leuven, Leuven, Belgium, *Shanghai Institute of Hypertension, Ruijin Hospital, Shanghai, China, **Preventive Cardiology Program, University of California, Irvine, CA, USA, ***Department of Clinical Pharmacology, EA 463, Claude Bernard University, Lyon Hospitals, France

EFFECTS OF NIFEDIPINE GITS AND DIURETICS ON PATIENTS WITH ISOLATED SYSTOLIC HYPERTENSION - A SUBANALYSIS OF THE INSIGHT STUDY
University of Milano-Bicocca, St Gerardo Hospital, Monza, Milan, Italy, *Unidad de Hipertension, Hospital 12 de Octubre, Madrid, Spain, **Centre for Applied Medical Statistics, University of Cambridge, UK, ***Clinical Pharmacology Unit, University of Cambridge, Cambridge, UK, ****Hopital Henri-Mondor, Creteil, Paris, France, *University Hospital Maastricht, Maastricht, The Netherlands, **The Chaim Sheba Medical Centre, University of Tel Aviv, Israel, ***Bayer Health Care AG, Pharma Research Center, Wuppertal, Germany

COMPARISON BETWEEN LOW DOSE PERINDOPRIL/INDAPAMIDE FIRST LINE COMBINATION AND ATENOLOL ON CHANGES IN C-REACTIVE PROTEIN: A LINK WITH PULSE PRESSURE?

TRANDOLAPRIL IMPROVES CV OUTCOMES AND DECREASES RISK FOR NEW DIABETES IN HYPERTENSIVE PATIENTS WITH CAD: THE INTERNATIONAL VERAPAMIL SR-TRANDOLAPRIL STUDY (INVEST)
A. Benetos, A. Hewkin*, S. Kupfer*, C. Pepine**
University of Nancy, France, *Abbott Laboratories, Chicago, IL, **University of Florida, Gainesville, FL, USA

PREVENTION OF CARDIOVASCULAR DISEASE IN TYPE 2 DIABETES: DESIGN, RECRUITMENT AND CHARACTERISTICS OF 11,140 PATIENTS IN THE ADVANCE STUDY
J.P. Chalmers, D.E. Grobbe*, A. Patel, for the ADVANCE Collaborative Group
The George Institute for International Health, University of Sydney, Australia, *Julius Center for Health Sciences and Primary Care, University Medical Center, Utrecht, The Netherlands

LECTURE
THE ARTERIAL WALL AS A PHARMACOLOGICAL TARGET
S. Laurent (Paris, France)
8.30  
A ROLE FOR CARDIOMYOCYTE APOPTOSIS IN THE TRANSITION FROM LEFT VENTRICULAR HYPERTROPHY TO HEART FAILURE IN HYPERTENSIVE PATIENTS?
A. González, B. López, R. Querejeta*, M. Larman**, M.A. Fortuño, J. Díez
Area of Cardiovascular Pathophysiology, Centre for Applied Medical Research, University of Navarra, Pamplona, Spain, *Division of Cardiology, Donostia University Hospital, San Sebastián, Spain, **Division of Hemodynamics, Guipuzcoa Policlinics, San Sebastián, Spain

8.45  
DETERMINANTS OF THE NEW DEVELOPMENT OF LEFT VENTRICULAR HYPERTROPHY ON TREATED HYPERTENSIVES: THE VALUE-TRIAL
R.E. Schmieder, S.E. Kjeldsen*, S. Julius**, S. Ekman***, T. Hua****
Department of Medicine, University of Erlangen-Nürnberg, Germany, *Department of Cardiology, Ulleaal University Hospital, Oslo, Norway, **Department of Cardiovascular Medicine, University of Michigan, USA, ***Novartis Pharma AG, Basel, Switzerland, ****Novartis Pharmaceuticals Corporation, East Hanover, USA

9.00  
CARDIAC STRUCTURAL ADAPTATION OF THE LEFT AND RIGHT VENTRICLE IN EARLY STAGES OF ESSENTIAL HYPERTENSION
TK. Schwarz, J. Schwabi(*, **), BMW. Schmidt, MP. Schneider, I. Bär**, RE. Schmieder
University of Erlangen-Nuremberg, Medical Clinic IV/Nephrology, Erlangen, Germany, *Department of Cardiology, Klinikum Nuremberg South, Nuremberg, Germany, **Department of Radiology, Klinikum Nuremberg South, Nuremberg, Germany

9.15  
HYPERHOMOCYSTEINEMIA PREDICTS A LOW LEFT VENTRICULAR EJECTION FRACTION IN HYPERTENSIVE BUT NOT IN NORMOTENSIVE PATIENTS
Div. of Cardiology, Cittadella Hospital Univ. of Padua, Italy, *Dept. of Pediatrics Univ. of Padua, Italy, **DMCS, Clin. Medica 4, Univ. of Padua, Italy

9.30  
LEFT VENTRICULAR HYPERTROPHY DEPENDS ON HEMODYNAMIC LOAD IN PATIENTS WITH FABRY DISEASE
B. Cochet eux*, E. Mousseaux*, S. de Féraudy, S. Laurent, P. Boutouryie, DP. Germain**
Pharmacology and Inserm Emi 107, Hôpital Européen Georges Pompidou, Paris, France, *Radiology, Hôpital Européen Georges Pompidou, Paris, France, **Genetics, Hôpital Européen Georges Pompidou, Paris, France

9.45  
LEFT VENTRICULAR AND CAROTID STRUCTURE IN UNTREATED, UNCOMPLICATED ESSENTIAL HYPERTENSION: RESULTS FROM THE ASSESSMENT PROGNOSTIC RISK OBSERVATIONAL SURVEY (APROS)
Centro di Fisiologia Clinica e Ipertensione, Università di Milano, Milan, Italy, *Università di Milano Bicocca, Milan, Italy, **Università di Bologna, Bologna, Italy, ***Università di Padova, Padua, Italy, ****Università di Napoli, Naples, Italy

10.00  
TISSUE DOPPLER IMAGING IS MORE SENSITIVE THAN CONVENTIONAL ECHOCARDIOGRAPHY TO SHOW IMPROVED DIASTOLIC FUNCTION BY IRBESARTAN AND ATENOLOL IN HYPERTENSIVE MAN
R. Müller-Brunotte, M. Edner, K. Malmqvist, T. Kahan
Karolinska institutet Danderyd Hospital. Division of Internal Medicine, Stockholm, Sweden

10.15  
SYMPATHECTOMY, BUT NOT BETA-BLOCKADE, BLUNTS MYOCARDIAL INTERSTITIAL FIBROSIS IN EXPERIMENTAL PRESSURE-OVERLOAD HYPERTROPHY
Clinica Medica 2, IRCCS S. Matteo, University of Pavia, Italy, *Dip. Biol. Animale, IGM-CNR, Pavia, Italy, **Dip Medicina, Prev e Biotecnol Sanit, Ctr Fisiol Clin e Ipertensione Milan, Monza and Pavia, Italy
NEW INFORMATION ON THE ALTERATIONS OF PERIPHERAL ARTERIAL DYNAMICS IN THE AGED SHR OBTAINED BY IN VIVO NMR IMAGING OF PERFUSION
D. Bertoldi, E. Parzy, Y. Fromes, C. Wary, A. Leroy-Willig, P. G. Carlier
NMR Laboratory, Institute of Myology, IFR 14, Pitie-Salpetriere University Hospital, Paris, France

TIME-WEIGHTED VS CONVENTIONAL QUANTIFICATION OF 24 HOUR AVERAGE AMBULATORY SYSTOLIC BLOOD PRESSURE
Internal Medicine, Caracas, Venezuela, *San Luca Hospital, Istituto Auxologico Italiano , Milan, Italy, **Department of Clinical Medicine, Prevention and Applied Biotechnologies, University of Milano-Bicocca, Milan, Italy

PULSE PRESSURE AND STROKE VOLUME MONITORED BY MODELLING FLOW FROM FINGER ARTERIAL PRESSURE WAVES MIRROR BLOOD VOLUME CHANGES
P. Leonetti, F. Audat*, A. Girard, D. Laude, F. Lefrere*, J. L. Elghozi

ASSESSMENT OF CENTRAL PULSE PRESSURE: COMPARISON OF TWO METHODS.
F. Verbeke, S. Heireman, P. Segers, L. M. Van Bortel
Gent University, Gent, Belgium

FEASIBILITY OF CONTINUOUS NON-INVASIVE BLOOD PRESSURE MEASUREMENT IN INFANTS
O. Schraa, P. Andriessen**, B. Smit**, W. van den Bosch-Ruis**, M. van Koppen, J. J. Settels
TNO TPD Biomedical Instrumentation Amsterdam, The Netherlands, *MMC Veldhoven The Netherlands, **AMC Amsterdam, The Netherlands

RECONSTRUCTION OF RADIAL ARTERY PRESSURE FROM NON-INVASIVE FINGER ARTERIAL PRESSURE MEASUREMENTS IN PATIENTS WITH ISCHEMIC HEART DISEASE
I. Guelen, LWJ. Bogert**, M. van Beek, BE. Westerhof, GL. van der Sar, JJ. van Lieshut*
TNO Biomedical Instrumentation, The Netherlands, *Dept. of Internal Medicine, Cardiovascular Research Institute Amsterdam, Academic Medical Centre, The Netherlands

EDUCATION AND SKILLS TRAINING REDUCES THE OCCURRENCE OF DIGIT PREFERENCE FOR ZERO IN A SUBSPECIALTY PRACTICE
Division of Hypertension, Mayo Clinic School of Medicine, Rochester, MN, USA, *Department of Biostatistics, Mayo Clinic School of Medicine, Rochester, MN, USA

DOES CONTROLLED ATRIAL FIBRILLATION AFFECT BLOOD PRESSURE MEASUREMENTS?
B. Jani, C. Bulpitt, C. Rajkumar
Faculty of Medicine, Imperial College, Hammersmith Hospital, London, UK
**Wednesday, June 16**

**Room Havane**

**Level 3**

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**RENAL ASPECTS**

**Oral Session 7D**

**Chairpersons:**

P. De Leeuw *(Maastricht, The Netherlands)*

R. Larivière *(Quebec, Canada)*

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**8.30**

ATP REGULATES RENOVASCULAR RESISTANCE OF ISOLATED PERFUSED MOUSE KIDNEYS BY ACTIVATION OF P2X AND P2Y RECEPTORS

J. Stegbauer, S. Habbel, LC. Rump, O. Vonend

Department of Nephrology, Marienhospital Herne, Ruhr University Bochum, Germany

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**8.45**

INCREASED INNERVATION DENSITY AND NEUROGENIC CONstriction OF THE RENAL, BUT NOT MESENTERIC, ARTERIES IN ANGIOTENSIN II “SLOW PRESSOR” HYPERTENSION IN RATS


Department of Physiology, Monash University, Melbourne, Vic, Australia

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**9.00**

RENAL STRUCTURAL PROPERTIES ASSOCIATED WITH THE AGGRAVATION OF RENAL DAMAGE FOLLOWING HIGH-PROTEIN DIET IN DAHL SALT-SENSITIVE RATS

H. Kinuno, F. Tomoda, T. Koike, H. Sugimori, H. Inoue, M. Takata*

the 2nd Department of Internal Medicine, Toyama Medical and Pharmaceutical University, Toyama, Japan,

*Toyama Telsin Hospital, Toyama, Japan

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**9.15**

NITRIC OXIDE INHIBITION IN SPRAGUE DAWLEY RATS CAUSES SEVERE HYPERTENSION AND RENAL INSUFFICIENCY : INVOLVEMENT OF ANG II, OXIDATIVE STRESS AND TGF-BETA1

F. Therrien, P. Lavoie, M. Agharazzi, M. Lebel, R. Larivière

Research Centre, CHUQ, Hotel-Dieu Hospital, Université Laval, Quebec, Canada

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**9.30**

THROMBOXANE A2 AND PROSTACYCLIN ARE INVOLVED IN RECOMBINANT HUMAN ERYTHROPOIETIN-INDUCED HYPERTENSION IN UREMIC RATS

ME. Rodrigue, S. Lacasse-M., R. Larivièrè, M. Lebel

Research centre, CHUQ, Hôtel-Dieu hospital, Université Laval, Québec, Canada

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**9.45**

LOW-DOSE THERAPY WITH THE LONG-ACTING ERYTHROPOIETIN ANALOGUE DARBEPOETIN ALPHA PERSISTENTLY ACTIVATES ENDOTHELIAL AKT AND ATTENUATES PROGRESSIVE ORGAN FAILURE


Division of Nephrology, Department of Internal Medicine, Hanover Medical School, Hanover, Germany,

**Institute of Pathology, Hannover Medical School, Hannover, Germany, **Phenos GmbH, Hannover

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**10.00**

LECTURE

ALDOSTERONE AND CARDIO-RENAL LESIONS

A. Struthers *(Dundee, UK)*
PHARMACOLOGICAL TREATMENT
Oral Session 8A

Wednesday, June 16
Grand Amphithéâtre
Level 0

Chairpersons:
M. Alderman (New York, USA)
G. Bricca (Lyon, France)

11.00 EPHESUS: EVIDENCE FOR THE CARDIOPROTECTIVE EFFECTS OF SELECTIVE ALDOSTERONE BLOCKADE
F. Zannad, B. Pitt*
Department of Cardiovascular disease. CIC, INSERM-CHU, Nancy, France, *University of Michigan, Ann Arbor, USA

11.15 THE LEVEL OF OXIDATIVE STRESS IS LINKED TO POLYMORPHISM AGTR1/A-153G OF THE ANGIOTENSIN II RECEPTOR TYPE I
Service de Cardiologie et Hypertension artérielle - CHU Michallon - Grenoble - France, *Laboratoire de Pharmacologie - CHU Michallon - Grenoble - France, **INSERM U525 - Faculté de Médecine Pitié-Salpêtrière - Paris - France, ***Département de Veille Sanitaire - CHU Michallon - Grenoble - France

11.30 ADMINISTRATION TIME-DEPENDENT EFFECTS OF LOW-DOSE ASPIRIN ON AMBULATORY BLOOD PRESSURE IN GRADE 1 HYPERTENSIVE PATIENTS
Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain, *Hypertension and Vascular Risk Unit, Hospital Clínico Universitario, Santiago, Spain

11.45 ANTI-INFLAMMATORY EFFECTS OF ANGIOTENSIN II SUBTYPE 1-RECEPTOR BLOCKADE IN HYPERTENSIVE PATIENTS WITH MICRO-INFLAMMATION
D. Fliser, H. Haller
Department of Internal Medicine, Hannover Medical School, Germany, *for the EUTOPIA Investigators (European Trial on Olmesartan and Pravastatin in Inflammation and Atherosclerosis)

12.00 DIFFERENTIAL EFFECTS OF SELECTIVE COX-2 INHIBITORS ON ENDOTHELIAL FUNCTION IN SALT-INDUCED HYPERTENSION
Cardiology, Cardiovascular Center, University Hospital Zürich, Switzerland, *Cardiovascular Research, Institute of Physiology, University of Zürich-Irchel, Switzerland, **Institute of Clinical Chemistry, University Leipzig, Germany, ***Center for Experimental Rheumatology, University Hospital Zürich, Switzerland

12.15 PPAR GAMMA AGONISTS AND THE ROLE OF VEGF IN THE DEVELOPMENT OF OEDEMA
R. Chee, D. Kaye, J.P.F. Chin-Dusting, K. Moe *
Baker Heart Research Institute, Melbourne, Vic, Australia, *Singhealth Research Facilities, Singapore General Hospital, Singapore
11.00 PIOGLITAZONE DISSIPATES THE BLOOD PRESSURE RESPONSE TO HYPERPHAGIA AND SALT IN OBESE ZUCKER RATS
A. Zanchi, C. Perregaux, M.P. Maillard, M. Burnier
Division of Nephrology and Hypertension, Lausanne University Hospital, Lausanne, Switzerland

11.15 EFFECTS OF OBESITY ON SYMPATHETIC NERVE TRAFFIC VARIABILITY AND ITS BAROREFLEX MODULATION
G. Seravalle( , **), G. Grassi( , *), F. Quarti*, A. Facchini*, R. Dell’Oro*, F. Scopelliti*, V. Ilardo*,
G. Mancia( , **)
Istituto Auxologico Italiano, Milan, Italy, *Clinica Medica, Univ. Milano-Bicocca, Monza, Italy, **Centro Interuniv. Fisiologia Clinica e Ipertensione, Milan, Italy

11.30 THE EFFECT OF CENTRAL LEPTIN ADMINISTRATION ON CARDIOVASCULAR RESPONSES IN CONSCIOUS RABBITS FED A HIGH-FAT DIET
N. Eikelis( , *), R. De Matteo, S. Burke, M. Esler, G. Head
Cardiovascular Neuroscience, Baker Heart Research Institute, Melbourne, Victoria, Australia, *Department of Medicine, Central and Eastern Clinical School, Monash University, Melbourne, Victoria, Australia

11.45 EFFECTS OF NEUROENDOCRINE AND DIET-INDUCED OBESITY AND ITS ASSOCIATION, ON GLUCOSE METABOLISM OF WISTAR RATS.
AP. Pastore, MLR. Cesaretti, M. Ginoza, AF. Voltera, MT. Zanella, AB. Ribeiro, O. Kohlmann
Nephrology Division, Federal University of São Paulo, São Paulo, SP, Brazil

12.00 ADIPOSECTIN PLASMA CONCENTRATION IN OBESE PATIENTS WITH MILD TO MODERATE ESSENTIAL HYPERTENSION
B. Pucilowska, K. Pertak, J. Janas*, M. Makowiecka-Ciesla, A. Prejbsz, P. Hoffman**, A. Januszewicz
Department of Hypertension, Institute of Cardiology, Warsaw, Poland, *Department of Clinical Biochemistry, Institute of Cardiology, Warsaw, Poland, **Department of Adult Congenital Heart Disease, Institute of Cardiology, Warsaw, Poland

12.15 OBESITY IS COMBINED WITH ENDOTHELIAL ACTIVATION IN CHILDHOOD
G. Desideri, M. De Simone, T. Rosato, G. Passacquale, A. Garofalo, G. De Berardinis, R. Casale, G. Croce,
M. Stati, C. Ferri
University of L’Aquila, Departments of Internal Medicine and Experimental Medicine, L’Aquila, Italy
BLOOD PRESSURE MEASUREMENT AND HEMODYNAMICS
Oral Session 8C

Wednesday, June 16
Room Havane
Level 3

Chairpersons:
J. Cockcroft (Cardiff, UK)
M. Winnicki (Gdansk, Poland)

11.00 THE PRESSOR EFFECT DUE TO AMBULATORY BLOOD PRESSURE MONITORING (ABPM EFFECT) PERSISTS IN HYPERTENSIVE PATIENTS REPEATEDLY EVALUATED THREE OR MORE TIMES
Hypertension and Vascular Risk Unit, Hospital Clínico Universitario, Santiago, Spain, *Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain

11.15 PROGNOSTIC SIGNIFICANCE OF BLOOD PRESSURE MEASURED IN THE OFFICE, AT HOME, AND DURING AMBULATORY MONITORING IN OLDER PATIENTS IN ONE GENERAL PRACTICE
Rh. Fagard, P. Decort, C. Van Den Broeke
Hypertension Unit, University of Leuven, Leuven, Belgium

11.30 BLOOD PRESSURE CONTROL BY HOME MONITORING: A META-ANALYSIS OF RANDOMISED TRIALS
F.P. Cappuccio, S.M. Kerry, L. Forbes*, A. Donald*
St George’s Hospital Medical School, London, UK, *Bazan Ltd, London, UK

11.45 DIFFERENCES IN THE SEASONAL VARIATION OF PLASMA GLUCOSE BETWEEN DIPPER AND NONDIPPER HYPERTENSIVE PATIENTS
Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain, *Hypertension and Vascular Risk Unit, Hospital Clínico Universitario, Santiago, Spain

12.00 MORNING BLOOD PRESSURE SURGE AND LEFT VENTRICULAR MASS IN TREATED HYPERTENSIVE PATIENTS
Dept.Clinical Medicine, Prevention and Applied Biotechnologies, Univ. Milano-Bicocca, Italy, *S.Luca Hospital, Ist.Auxologico Italiano, Milan, Italy, **I Cardiac Dept., Jagiellonian Univ, Krakow, Poland

12.15 THE ABOLITION OF NOCTURNAL BLOOD PRESSURE FALL IS NOT AN INDEPENDENT PREDICTOR FOR SLEEP-RELATED BREATHING DISORDER
Centre Hospitalier Universitaire, Poitiers, France
Wednesday, June 16
Room 352AB
Level 3

11.00-12.30 Topical Workshop

Baroreflex and cardiovascular risk

Chairpersons:
J.L. Elghozi (Paris, France)
G. Parati (Milan, Italy)

Physiological significance
C. Julien (Lyon, France)

Prognostic value in hypertensive patient
P. Lantelme (Lyon, France)

Prognostic value in heart failure and after myocardial infarction
M.T. La Rovere (Montescano, Italy)

Prognostic value after acute stroke
T.G. Robinson (Leicester, UK)

Baroreflex sensitivity in obstructive sleep apnea syndrome
K. Narkiewicz (Gdansk, Poland)
BLOOD PRESSURE MEASUREMENT AND HEMODYNAMICS
Poster Session 43

Wednesday, June 16
Hall Maillot - Level 2
12.30 / 15.30

Chairpersons:
R.C. Hermida (Vigo, Spain)
D. Laude (Paris, France)

1. COMPARISON OF THE EFFECT OF ENALAPRIL AND TELMISARTAN ON THE QUALITY OF LIFE IN HYPERTENSIVE PATIENTS
G. Andreeva, V. Gorbunov, V. Voronina, O. Isaikina, O. Lerman
National Research Centre for Preventive Medicine, Moscow, Russia

2. AMBULATORY RECORDING AND BLOOD PRESSURE CONTROL IN MILD TO MODERATE HYPERTENSIVE PATIENTS: GENDER DIFFERENCES
G. Zanolini, G. Damiani, R. Costa, S. Ettori, M. Crippa, R. Fariello*
U.O. Medicina Interna, A.O. Mellini Mellini di Chiari, Italy, *A.O. Spedali Civili di Brescia, Italy

3. DIAGNOSING OF PREECLAMPTIC PREGNANCY WITH TELEMEDICAL HOME BLOOD PRESSURE MONITORING
B. Benczúr, M. Illyés*, A. Nagy
County Hospital, Hypertension Outpatient Clinic, Kecskemét, Hungary, *TensioCare Hypertension Centre, Budapest, Hungary

4. ALTERNATIVE METHOD OF HYPERTENSIVE ASTHMATIC PATIENTS’ REHABILITATION
L.P. Sydorchuk, I.I. Sydorchuk, R.I. Sydorchuk
Bucovinian State Medical Academy, Chernivtsi, Ukraine

5. VALUE OF AMBULATORY BLOOD PRESSURE MONITORING IN THE EFFICACY OF ANTIHYPERTENSIVE TREATMENT
V. Kotsis, E. Manios, K. Vemmos, I. Ikonomidis, S. Stabouli, K. Vemmos, I. Ikonomidis, N. Zakopoulos
Department of Clinical Therapeutics, Athens University, Greece

6. SAGLIKER EFFECT(SE) AND HYPERTENSIONOLOGIST HYPERTENSION IN MEDICAL DOCTORS AND NURSES. MANUAL BP RECORDINGS WHICH IS A HARAKIRI PROCEDURE MUST BE BANNED
Y. Sagliker, M. Balal, C. Sagliker, P. Sagliker Ozkaynak, N. Paylar, H.S. Sagliker, S. Paydas
Cukurova & Erciyes Universities, Medical Fac. & State Health Center, Div. of Nephrology-Hypertension, Adana, Türkiye, Sagliker Hypertension Unit, Kayseri, Türkiye

7. PULSED PRESSURE AND RETINOPATHY IN DIABETICS HYPERTENSIVES
S. Zerguini-Mimouni, A. Boudiba, M. Azzouz
Diabetology Unit, Mustapha’s Hospital, Algiers, Algeria

8. CLINIC CHARACTERISTICS AND PREDICTOR FACTORS OF THE TRUE RESISTANT HYPERTENSION IN PATIENTS WITH RESISTANT HYPERTENSION IN THE OFFICE
J.D. Mediavilla, C. Fernandez, F. Jaén, L. Aliaga, C. García, J. Acal, J. Jimenez
Virgen de las Nieves University Hospital, Granada, Spain

9. EVALUATION OF INTER-ARM DIFFERENCES IN BLOOD PRESSURE
K. Tziomalos, A. Karagiannis, N. Krikis, G. Sfikas, K. Dona, C. Zamboulis
2nd Propedeuteic Dept.of Internal Medicine, Aristotelian Univ.of Thessaloniki, Ippokration Hospital, Thessaloniki, Greece
10. VALIDITY INDEXES OF DIFFERENT BLOOD PRESSURE MEASUREMENT METHODS AND DIFFERENT SETTINGS TO DO IT
Departamento Medicina Clinica. Universidad Miguel Hernández, Spain, *Unidad De Investigacion Y Docencia. Area 17. Elda. Alicante. Spain, **Centro De Salud La Orden. Huelva, Spain

11. WHAT'S THE OPTIMAL TIME OF DAY TO MEASURE THE BLOOD PRESSURE IN HYPERTENSIVE PATIENTS?
Hospital De L’espirit Sant, Santa Coloma De Gramenet, Barcelona, Spain, *Hospital Municipal De Badalona, Barcelona, Spain, **Fundacion Althia, Manresa, Barcelona, Spain, ***Hospital Sagrat Cor, Barcelona, Spain, ****Hospital Sant Camil, Sant Pere De Ribes, Barcelona, Spain, °Hospital Sant Rafael, Barcelona, Spain, °°Hospital De Igualada, Barcelona, Spain, °°°Hospital De Mataro, Barcelona, Spain

12. A COMPARISON OF THE CARDIOVASCULAR PROFILES OF BLACK SOUTH AFRICAN WOMEN WITH DIFFERENT BODY MASS INDICES AND BLOOD PRESSURES: THE POWIRS STUDY
R. Schutte, H.W. Huisman, L. Malan, J.M. van Rooyen, A.E. Schutte, N.T. Malan
School of Physiology, Potchefstroom University, Potchefstroom, South Africa

13. INFLAMMATION AND ARTERIAL STIFFNESS IN SYSTEMIC VASCULITIS: A MODEL OF VASCULAR INFLAMMATION
Clinical Pharmacology Unit, University of Cambridge, Addenbrooke's Hospital, Cambridge, UK, *GlaxoSmithKline Translational Medicine and Technology Group, Addenbrooke's Hospital, Cambridge, UK, **Dept of Nephrology, Addenbrooke's Hospital, Cambridge, UK

14. C-REACTIVE PROTEIN IS ASSOCIATED WITH ARTERIAL STIFFNESS IN APPARENTLY HEALTHY INDIVIDUALS
Clinical Pharmacology Unit, University of Cambridge, Addenbrooke's Hospital, Cambridge, UK, *Department of Cardiology, University of Wales College of Medicine, University Hospital, Cardiff, UK

15. EFFECT OF ENDURANCE TRAINING ON EPICARDIAL VESSEL REMODELING
M. Kozáková, F. Vittone, C. Morizzo, M. Paterni*, C. Palombo
Department of Internal Medicine, University of Pisa, Pisa, Italy, *CNR, Institute of Clinical Physiology, Pisa, Italy

16. NITRIC OXIDE DOES NOT CONTRIBUTE TO ALTERED PULSE PRESSURE AMPLIFICATION OR ARTERIAL STIFFNESS DURING AEROBIC EXERCISE IN HEALTHY MEN
The University of Queensland, Brisbane, QLD, Australia, *University of Cambridge, Cambridge, UK, **University of Wales College of Medicine, Cardiff, UK

17. THE EFFECT OF SALT INTAKE ON ARTERIO-VENTRICULAR FUNCTION AND WAVE REFLECTION IN THE CAROTID ARTERY
M. Starmans-Kool, A. Stanton, S. Thom, A. Hughes
Clinical Pharmacology, NHLI, Imperial College, London, UK

18. RELATIONSHIP BETWEEN THE OUTCOME OF THE HEAD-UP TILT TEST AND THE DIURNAL INDEX IN HYPERTENSIVE PATIENTS
C. Podoleanu, D. Podoleanu, A. Incze, E. Carasca
Cardiology Dept., 4th Medical Clinic, Targu Mures, Romania

19. RAPID NONGENOMIC EFFECTS OF ALDOSTERONE IN ESSENTIAL HYPERTENSION
BMW. Schmidt, A. Rastätter, T. Agafonov, S. Oehmer, C. Delles, M.P. Schneider, TK. Schwarz, RE. Schmieder
Medical Department IV/Nephrology, University of Erlangen-Nürnberg, Nürnberg, Germany
20. ENDO THELIN- AND ANGIOTENSIN II- ANTAGONISM INHIBIT SYSTEMIC HEMODYNAMIC RESPONSE TO EXOG ENOUS NORADRENALINE
Clinic for Nephrology and Hypertension, Essen University Hospital, Essen, Germany, *Nephrologische Praxis, Eleonorastr., Essen, Germany, **Allgemeines öffentliches Krankenhaus, Zell am See, Austria

21. SYSTEMIC HEMODYNAMICS IN CONSCIOUS L-NAME AND DOCA-SALT TREATED MICE
M. Obst, V. Gross, F.C. Luft(,*)
Max-Delbrück-Center (MDC) for Molecular Medicine, Berlin, Germany, *Helios Klinikum, Franz-Volhard-Clinic, Med. Faculty Charite, Humboldt Univ., Berlin Germany

22. ARTERIAL STIFFNESS DOES NOT OCCUR PARALLEL TO CARDIAC ALTERATIONS IN THE DEVELOPMENT OF TARGET ORGAN DAMAGE IN MILD ESSENTIAL HYPERTENSION
H. Choi, J. Park
Samsung Cheil Hospital, Sungkyunkwan Univ School of Medicine, South Korea
23. EFFECTIVE BLOOD-PRESSURE CONTROL WITH VALSARTAN/HCTZ COMBINATION THERAPY IN PATIENTS WITH MODERATE TO SEVERE SYSTOLIC HYPERTENSION: THE VALOR TRIAL
Y. Lacoursiere, D. Hebert*, L. Assouline*, B. Rehel*, Y. Khder**
Hypertension Unit, Centre Hospitalier Université Laval, Sainte Foy, Quebec, Canada., *Medical Department, Novartis Pharma Canada inc., Dorval, Quebec, Canada, **Clinical Development & Medical Affairs, Novartis, Basel, Switzerland

24. WHAT IS THE BLOOD PRESSURE TO TARGET DURING ANTIHYPERTENSIVE TREATMENT ADJUSTMENTS: SYSTOLIC OR DIASTOLIC BLOOD PRESSURE?
X. Girerd, C. Dourmap, F. Villeneuve, C. Fabry*, I. Leurs*, A. Benkritly*, on behalf of Investigators GRIFF Study
Hôpital Pitié Salpêtrière, Paris, France, *Astra Zeneca, Rueil Malmaison, France

25. INFLUENCE OF TIME OF DAY, SEASON AND TIME IN STUDY ON VARIATION IN AMBIENT BLOOD PRESSURE IN HYPERTENSIVE PATIENTS
P. van Rijn-Bikker, G. Mairuhu, G. van Montfrans, R. Koopmans
Academic Medical Centre, Amsterdam, The Netherlands

26. INFLUENCE OF VITAMIN D RECEPTOR (VDR) GENE POLYMORPHISMS, 25-HYDROXYVITAMIN D AND PHOSPHORUS ON PULSE PRESSURE IN APPARENTLY HEALTHY SUBJECTS
S. Muray, E. Parisi*, L. Craver, A. Cardús*, E. Fernández
Hospital Universitari Arnau de Vilanova, Lleida, Spain, *Departament of Medicine of University of Lleida, Spain

27. IS MASKED HYPERTENSION AN ARTEFACT DUE TO THE BLOOD PRESSURE MEASUREMENT METHOD AND THRESHOLD EFFECTS? WHAT IS THE TRUE PREVALENCE OF MASKED HYPERTENSION?
P. Poncelet, P. Clerson*, J. Ribstein**, M. Bassous***, C. Scart Gres***
CHU Lille, France, *Organétrie Wasquehal, France, **CHU Montpellier, France, ***Laboratoires Bouchara-Recordati Levallois Perret, France

28. FOLLOW-UP AMBULATORY BLOOD PRESSURE IN NORMOTENSIVES AND TREATED AND UNTREATED WHITE-COAT HYPERTENSIVE SUBJECTS (EVALUATION AFTER 6.2 YEARS)
J. Polonia, G. Gama, S. Bertoquini, C. Amaral
Clinical Pharmacology Unit, Faculty of Medicine of Porto, Porto, Portugal

29. COMPARISON BETWEEN ROUTINE CLINIC BLOOD PRESSURE AND ALTERNATIVE METHODS OF BLOOD PRESSURE MEASUREMENT IN RENAL TRANSPLANT RECIPIENTS WITH STABLE FUNCTION
R.S.J. Dalton, J.N. Webber, L. Watkins, N. Kessaris, G. Venkat-Raman
Wessex Renal And Transplant Unit, Portsmouth, UK

30. NATURAL HISTORY OF ERECTILE DYSFUNCTION IN THE SHR: A LONGITUDINAL STUDY
D. Behr-Roussel, S. Compagne, J. Bernabé, MP. Bedigian*, L. Alexandre, F. Giuliano**
PELVIPHARM, Gil sur Yvette, France, *NOVARTIS, East Hanover, NJ, USA, **Groupe de Recherche en Urologie UPRES, EA 102, Le Kremlin-Bicêtre, France

31. CHILDREN WITH CHRONIC RENAL FAILURE HAVE BLUNTED AND DELAYED RHYTHMS OF BLOOD PRESSURE AND HEART RATE
C. Hadtstein, E. Wühl, O. Mehls, F. Schaefer, and ESCAPE Trial Group
University Children’s Hospital, Heidelberg, Germany
32. RELATION BETWEEN 24H BLOOD PRESSURE VARIABILITY AND LEFT VENTRICULAR MASS IN TREATED HYPERTENSIVE PATIENTS
San Luca Hospital, Istituto Auxologico Italiano, Milan, Italy, *Dept of Clinical Medicine, Prevention and Applied Biotechnologies, University of Milano-Bicocca, Milan, Italy, **I Cardiac Dept., Jagiellonian University, Krakow, Poland

33. HOME SELF BLOOD-PRESSURE MEASUREMENT: PATIENT EXPERIENCES
N. Postel-Vinay, G. Chatellier (*), G. Bobrie (**), A. Ruelland (**), PF. Plouin (**), J. Ménard
Georges Pompidou European Hospital (HEGP), Paris, France

34. DETERMINANT FACTORS FOR THE DIFFERENCE BETWEEN CLINIC AND AMBULATORY BLOOD PRESSURE MEASUREMENTS IN UNTREATED PATIENTS WITH GRADE 1-2 HYPERTENSION
Biomedical Engineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain, *Hypertension and Vascular Risk Unit, Hospital Clinico Universitario, Santiago, Spain

35. ASCENDING AORTIC PEAK SYSTOLIC PRESSURE CAN BE ESTIMATED BY NONINVASIVE MEASUREMENT OF RADIAL ARTERY LATE SYSTOLIC PRESSURE
Tokyo Medical University, Tokyo, Japan, *OMRON HEALTHCARE Co., Ltd, Kyoto, Japan, **Kawanami Hospital, Fukuoka, Japan

36. POST PRANDIAL HYPOTENSION AND DIPPER STATUS IN ELDERLY HYPERTENSIVES
G. Ferraro, A.M. Agrati, GC. Palmieri
2nd Division of Internal Medicine, Niguarda Ca’Granda Hospital, Milan, Italy

37. EFFICACY OF INDAPAMIDE SR IN HYPERTENSIVE, TYPE 2 DIABETICS:24H ABPM: THE NESTOR SUB-STUDY
Institut CardioVasculaire, Paris, France, *on behalf of the Nestor Coordinators Study Group

38. SERUM CHOLESTEROL LEVEL AND BLOOD PRESSURE ON BOTH ARMS
G. Kochanowska-Kaluza, Z.D. Kobalava, V.S. Moiseev
Russian Peoples’ Friendship University, Moscow, Russia

39. PROGNOSTIC SIGNIFICANCE OF ARTERIAL HYPERTENSION STAGES EVALUATED BY CLINIC AND AMBULATORY BLOOD PRESSURE
I.V. Kotovskaia, Z.D. Kobalava, V.S. Moiseev
Russian Peoples’ Friendship University, Moscow, Russia

40. CONTROL STATUS OF HOME BLOOD PRESSURE MEASURED IN MORNING AND EVENING - EVALUATION IN JAPANESE NORMOTENSIVES AND TREATED HYPERTENSIVES
H. Kawabe, I. Saito, T. Saruta
Health Center & Department of Internal Medicine, Keio University, Tokyo, Japan

41. VALIDATION OF BLOOD PRESSURE MEASURING DEVICES IN FRANCE
B. Vaissé, G. Bobrie (*), C. Raveau-Landon (**), R. Asmar (***)
Chu Timone, Marseille, France, *Hopital G. Pompidou, Paris, France, **Afssaps, Paris, France, ***Hopital Broussais, Paris, France

42. NORMAL AMBULATORY BLOOD PRESSURE: REAL-LIFE COMPARISON OF TWO RECENTLY PUBLISHED DEFINITIONS
IZ. Ben-Dov, L. Ben-Arie, J. Mekler, M. Bursztyn
Hadassah University Hospital, Mount Scopus, Jerusalem, Israel

43. WHAT IS THE ACCURACY OF CLINIC BLOOD PRESSURE MEASUREMENT?
M. Rescaldani, E. Santin, F. Magrini, C. Sala
Ist.Medicina Cardiovascolare and Centro di Fisiologia Clinica e Ipertensione, Università di Milan, Italy, Ospedale Maggiore IRCCS, Milan, Italy

228 FOURTEENTH EUROPEAN MEETING ON HYPERTENSION
44. BORDERLINE HYPERTENSION AND LEFT VENTRICULAR REMODELING
M. L.Otljanska, B. K.Sidovska-Ivanovska*, V. Maleska**
Institut of cardiovascular disease Medical Faculty SKOPJE,Macedonia, *Institut of cardiovascular disease Skopje, Medical Faculty, Macedonia, **Institut of Physiology, Medical Faculty, Skopje, Macedonia

45. THE PREVALENCE OF HYPERTENSION AND OF LEFT VENTRICULAR HYPERTROPHY IN A ROMANIAN POPULATION. A CLINICAL-ECHOCARDIOGRAPHIC STUDY
Institute Of Cardiovascular Diseases, Bucharest, Romania

46. THE ROLE OF CHRONIC PERIODONTAL DISEASE (PD) IN THE PATHOGENESIS OF LEFT VENTRICULAR HYPERTROPHY (LVH) IN PATIENTS AFTER KIDNEY TRANSPLANTATION
Dept of Nephrology, Endocrinology and Metabolic Diseases, Silesian University School of Medicine, Katowice, Poland, *Dept of Internal Diseases and Rheumatology, Silesian University School of Medicine, Katowice, Poland, **Dept of Maxillofacial Surgery, Silesian University School of Medicine, Katowice, Poland

47. INCIDENCE OF HYPERTENSION AND EFFECTIVENESS OF ANTIHYPERTENSIIVE TREATMENT IN ADULT PATIENTS AFTER SUCCESSFUL REPAIR OF COARCTATION OF THE AORTA
O. Trojnarska, A. Tykarski*, A. Posadzy-Malaczynska*, M. Pyda, A. Cieleszynski
Department of Cardiology, Poznan, Poland, *Department of Hypertension, Poznan, Poland

48. ELECTROCARDIOTOPOGRAPHIC ASSESSMENT OF LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVE PATIENTS
E.V. Blinova, T.A. Sakhnova, L.M. Sergakova, V.G. Trunov*, E.A.I. Aidu*, L.I. Titomir*
Russian Cardiology Research Complex, Moscow, Russia, *Institute for Information Transmission Problems, Russian Academy of Sciences, Moscow, Russia

49. SUSTAINED SYMPATHOINHIBITORY EFFECTS OF CARDIAC RESYNCHRONIZATION THERAPY IN HEART FAILURE
R. Dell’Oro, F. Quarti, A. Facchini, F. Arenare, A. Vincenti, R. Brambilla, G. Grassi( ,*), G. Mancia( ,*)
Clinica Medica, Univ. Milano-Bicocca, Monza, Italy, *Centro Interuniv. Fisiologia Clinica e Ipertensione, Milan, Italy

50. IMPACT OF LEFT VENTRICULAR HYPERTROPHY ON REGIONAL MYOCARDIAL VELOCITIES IN ATHLETES AND HYPERTENSIVES HEART
M. Deljanin Ilic, S. Ilic, V. Ilic, D. Djordjevic
Institute of Cardiology - University of Nis, Niska Banja, Serbia and Montenegro

51. CLINICAL SIGNIFICANCE OF EXCESSIVE BLOOD PRESSURE LOWERING PRODUCED BY CALCIUM ANTAGONISTS, BETA-BLOCKERS AND NITRATES IN CORONARY ARTERY DISEASE PATIENTS
E.V. Bochkareva, E.V. Kokurina, N.G. Kucheriavaya, V.P. Voronina, E.K. Butina
National State Center for Preventive Medicine, Russia
52. PULSE PRESSURE AND CAROTID AND MYOCARDIAL STRUCTURAL CHANGES IN HYPERTENSION
M. Stopyra-Poczatek, K. Loboz-Grudzien, A. Kostecka-Pokryszko, J. Jaroch
Cardiology Dept. Of T. Marciniak And A. Falkiewicz Hospital, Medical Academy Of Wroclaw, Poland

53. INFLUENCES OF LEFT VENTRICULAR HYPERTROPHY ON TRANSMITRAL DOPPLER FLOW PATTERN AND AORTIC STIFFNESS IN HYPERTENSION
Department of Internal Medicine, National Cheng Kung University Medical Center, Tainan, Taiwan,
*Department of Emergency, National Cheng Kung University Medical Center, Tainan, Taiwan

54. BIVENTRICULAR PRESSURE OR VOLUME OVERLOAD IS THE PREDOMINANT ABNORMALITY IN OBSTRUCTIVE SLEEP APNEA ASSOCIATED WITH TREATED SYSTEMIC HYPERTENSION?
W. Myslinski, J. Mosiewicz
Department of Internal Medicine, University School of Medicine, Lublin, Poland

55. ANTIHYPERTENSIVE TREATMENT OF PATIENTS WITH AORTIC REGURGITATION: THE ROLE OF AMLODIPINE
L. Kholopov, A. Bagriy, O. Dyadyk, O. Samoilova, I. Tsiba, K. Turkyan
Postgraduate Therapy Dept. of Donetsk State Medical University, Donetsk, Ukraine

56. BLOOD PRESSURE CHANGES AFTER PERCUTANEOUS TRANSLUMINAL CORONARY ANGIOPLASTY IN NORMOTENSIVE AND HYPERTENSIVE PATIENTS WITH CORONARY HEART DISEASE
A. Rutz-Danielczak, U. Brzezinska, A. Tykarski
Department Of Hypertension University Of Medical Sciences, Poznan, Poland

57. ECONOMIC BENEFITS OF VALSARTAN IN HEART FAILURE
D.G. Smith, A. Cerulli, F.H. Frech
Health Management & Policy, University of Michigan, Ann Arbor, MI, USA

58. CORRELATION BETWEEN THE LEFT ATRIAL ENLARGEMENT AND THE LEFT VENTRICULAR REMODELLING IN PATIENTS WITH ISOLATED SYSTOLIC HYPERTENSION IN RATS
S.KH. Vatinyan, S.V. Gurgenyan, KG. Nikogosyan, A.A. Mamikonyan, L.B. Edilyan
Institute of Cardiology, Yerevan, Armenia

59. SMOKING HABITS AND LEFT VENTRICULAR THICKNESS. IN UNTREATED HYPERTENSIVES
J.A. Papadakis, G. Vrentzos, I. Kazakou, E. Mazokopakis, E.S. Ganotakis
University Hospital Of Crete, Heraklion, Greece

60. BLOOD PRESSURE CONTROLE IN ESSENTIAL HYPERTENSIVE PATIENTS UNDERWENT DOBUTAMINE STRESS ECHOCARDIOGRAPHY
M. Miloradovic, M. Ostojic*
Department of Cardiology Medical Faculty University of Kragujevac, Serbia-Montenegro, *Clinical Center of Serbia, Beograd, Serbia Montenegro

61. ARTERIAL HYPERTENSION IN THE ELDERLY AND BRAIN NATRIURETIC PEPTID
M. Escande, B. Diadema, M.C. Icard, G. Gallet De Santerre
Centre Hospitalier D’allauch, Chemin Des Mille Ecus, France

62. SILENT CARDIAC ISCHEMIA IN HYPERTENSIVE PATIENTS
V. Paulava, M. Liventseva, I. Korobko, T. Nechesova
Republican Scientific and Clinical Centre Cardiology, Minsk, Belarus

63. PREVALENCE AND RELATION OF ECHOCARDIOGRAFIC DETERMINED LEFT VENTRICULAR HYPERTROPHY TO SEX, ARTERIAL HYPERTENSION, OBESITY IN TALLINN
T. Shipilova, I. Pshenichnikov, J. Abina, O. Volozh, J. Kaik
Estonian Institute of Cardiology, Tallinn, Estonia
64. THE USE OF ACE INHIBITORS AND STATINS BY GENERAL PRACTICIONERS, INTERNISTS AND CARDIOLOGISTS
J. Spinar, J. Vitovec*, H. Skvarilova, K. Frycova
1st. Cardiology Internal Dpt., University Hospital, Brno - Bohunice, Czech Republic, *1st. Cardioangiology Internal Dpt., St. Ann hospital, Brno, Czech Republic

65. THE INFLUENCE OF ANTIHYPERTENSIVE THERAPY ON LEFT AND RIGHT VENTRICULAR DIASTOLIC FUNCTION IN HYPERTENSIVE PATIENTS
O.V. Lerman, V.M. Gorbunov, G.F. Andreeva, O.YU. Isaikina, V.P. Voronina
National State Center for Preventive Medicine, Moscow, Russia

66. EFFECTS OF EPROSARTAN, ENALAPRIL AND SPIRONOLACTONE ON CARDIAC REMODELLING IN SPONTANEOUSLY HYPERTENSIVE RATS
AV. Kozlenok, AP. Borisova, OV. Bogomolova, AO. Conrady, MG. Ribakova
Pavlov Medical University, St.Petersburg, Russia

67. SIGNIFICANCE OF GENDER ON HYPERTENSIVE HEART DISEASE
A. Belgi, B. Dursun*, S. Kavakli, I. Basarici, A. Baktir, F. Tuzuner, G. Suleymanlar*
Dept Of Cardiology, Turkey, *Dept Of Medicine, Turkey

68. LEFT ATRIUM ECHOCARDIOGRAPHIC SIZE IN NORMOTENSIVES, ISOLATED CLINIC HYPERTENSIVES AND HYPERTENSIVES
V. Kotsis, E. Manios, S. Stabouli, K. Vemmos, I. Ikonomidis, C. Papamichail, N. Zakopoulos
Department of Clinical Therapeutics, Athens University, Greece

69. HYPERTENSIVE CRISIS: A SPY OF LEFT VENTRICULAR NON COMPACTION
C. Caroselli, C. Urani*, A. Caroselli
School of Internal Medicine, Policlinico Sant’Andrea, Rome, Italy, *Department of Emergency, Policlinico Umberto I, Rome, Italy

70. SEVERITY OF CORONARY ATHEROSCLEROSIS IN HYPERTENSIVE PATIENTS
First Cardiac Department -Nikea General Hospital - Piraeus, Greece

71. CANDESARTAN AS AN ANTIHYPERTENSIVE MEDICATION IN ASYMPTOMATIC CHRONIC SEVERE MITRAL REGURGITATION: HEMODYNAMIC PROFILE
Donetsk State Medical University, Ukraine

72. RIGHT VENTRICULAR SYSTOLIC AND DIASTOLIC FUNCTION IN ARTERIAL HYPERTENSION
N.D. Oryshchyn, I.Y. Oryshchyn, S.S. Pavlyk, O.J. Zharinov*
Lviv Centre Of Cardiology, Lviv, Ukraine, *Kyiv Postgraduate Medical Academy, Kyiv, Ukraine
73. THE COURSE OF NT-PRO-BNP IN A CASE OF HYPERTENSION INDUCED SEVERE HEART FAILURE UNDER A COMBINED ACE-INHIBITOR AND Candesartan Therapy
B. Gremmler, K. Kisters*, M. Kunert, H. Schleiting, L.J. Ulbricht**
Cardiol.Dept. Marienhospital Bottrop, Germany, *University of Muenster and St.Anna-Hospital Herne, Germany, **University of Witten/Herdecke, Germany

74. DIASTOLIC FUNCTION LEFT VENTRICULUM IN NORMOTENSIVE RELATIVES OF PATIENTS FAMILIAL ARTERIAL HYPERTENSION
N. Erina, B. Namakanov, N. Hozajinova, Y. Bubnov
Hereditary CardioVascular Centre, Moscow, Russia

75. CHANGES ON HEART RATE VARIABILITY IN AL AMYLOIDOSIS. PROGNOSTIC IMPLICATION
I. Moyssakis, D. Papadopoulos, A. Zilidis, U. Papazachou, E. Gialafos, V. Votteas
Laiko Hospital Cardiology Department, Athens, Greece

76. RISK OF SUDDEN ARRHYTHMIC CARDIAC DEATH IN HYPERTENSIVE PATIENTS WITH LEFT VENTRICULAR HYPERTROPHY
R. Musetescu, D.M. Toader, D.D. Ionescu
Craiova Cardiology Center, Craiova, Romania

77. IMPACT OF ANGIOTENSIN-CONVERTING ENZYME INHIBITOR AND SPIRINOLACTONE ON REGIONAL MYOCARDIAL FUNCTION IN HYPERTENSIVE PATIENTS
M. Deljanin Ilic, S. Ilic, V. Ilic, I. Tasic
Institute of Cardiology - University of Nis, Niska Banja, Serbia and Montenegro

78. EVOLUTION OF ACUTE MYOCARDIAL INFARCTION IN HYPERTENSIVE PATIENTS
D.M. Toader, R. Musetescu, D.D. Ionescu
Craiova Cardiology Center, Craiova, Romania

79. LEFT VENTRICULAR MASS AND MECHANICS IN MILD TO MODERATE HYPERTENSION: EFFECT OF B-BLOCKER VERSUS ANGIOTENSIN II RECEPTOR BLOCKER
A. Fountoulaki, C. Nicopoulos, V. Demopoulos, J. Giannakoulis, J. Skoularigis, F. Triposkiadis
Cardiology Department, Larissa University Hospital, Larissa, Greece

80. HYPERTENSION AS A RISK FACTOR IN ACUTE MYOCARDIAL INFARCTION
L. Borghi, S. Terzi, A. Gotsis, V. Karaghiozaki, M. Pasalidou, S. Xaritos, I. Koukoutsis, T. Tsaraktsidou, D. Xatzigeorgiou, O. Koutsogiannis
Health Center of Iasmos, Greece
**Renin-Angiotensin System**

**Poster Session 47**

**Wednesday, June 16**

Hall Maillot - Level 2

12.30 / 15.30

Chairpersons:

F. Ahlenc-Gelas (Paris, France)
V. Lahera (Madrid, Spain)

81. **ACE-I VS ARB ON FLUID AND VASOCONSTRICTOR REQUIREMENT DURING CARDIOPULMONARY BYPASS**  
D. Locca, P. Tozzi, L. von Segesser, D. Hayoz*
Cardiovascular Surgery, CHUV, Lausanne, Switzerland, *Vascular Medicine, CHUV, Lausanne, Switzerland

82. **A VARIANT OF HUMAN RENIN GENE ENHANCER REGION AND RENAL GENE EXPRESSION**  
T. Konoshita, Y. Makino, H. Takahashi, S. Wakahara, I. Koni*, I. Miyamori
Third Department of Internal Medicine, Fukui University School of Medicine, Japan, *Second Department of Internal Medicine, Kanazawa University Graduate School of Medicine, Japan

83. **ANGIOTENSIN-(1-7) STIMULATES NITRIC OXIDE SYNTHASE ACTIVITY THROUGH A BRADYKININ-DEPENDENT MECHANISM**  
M.M. Gironacci, C. Peña, A. Balaszczyk*, C. Arranz*, M.A. Costa*
Fac. Pharmacy and Biochemistry (UBA), Dept. of Biological Chemistry - IQUIFIB, Buenos Aires, Argentina, *Fac. Pharmacy and Biochemistry (UBA), Dept. of Biological Sciences, Buenos Aires, Argentina

84. **ANGIOTENSIN CONVERTING ENZYME 2 GENE POLYMORPHISM IN METABOLIC SYNDROME PATIENTS: ASSOCIATION WITH SYSTOLIC BLOOD PRESSURE AND RENAL IMPAIRMENT**  
J. Zhong, Z. Zhu, T. Cao, Z. Yan, C. Shen, D. Liu, M. Tepel*
Department of Hypertension and Endocrinology and Chongqing Institute of Hypertension, Chongqing, PR China, *Charite Campus Benjamin Franklin, Berlin, Germany

85. **ADDITIVE EFFECTS OF AN ACE INHIBITOR VS. A CA ANTAGONIST VS. A DIURETIC IN HYPERTENSIVE PATIENTS UNCONTROLLED ON ANGIOTENSIN RECEPTOR BLOCKER MONOTHERAPY**  
G. Stergiou, T. Makris*, M. Papavasiliou**, S. Efstathiou, V. Voteas*, S. Fousas***, A. Achimastos, A. Manolis***
Hypertension Center, Third University Department of Medicine, Sotiria Hospital, Athens, Greece, *Department of Cardiology, Laikon General Hospital, Athens, Greece, **Department of Cardiology, Sismanoglion General Hospital, Athens, Greece, ***Department of Cardiology, Tzanio General Hospital, Piraeus, Greece

86. **FOETOTOXICITY OF ANGIOTENSIN II ANTAGONISTS**  
S. Ouaret, P. Carlier*, S. Choulika, C. Tchinou, C. Kreft-Jais
Agence Française de Sécurité Sanitaire des Produits de Santé, Paris, France (Afssaps), *Centre Régional de Pharmacovigilance de Fernand Widal Paris, France

87. **DIFFERENCES BETWEEN LOSARTAN AND AMLODIPINE WITH RESPECT TO CAVERNOUS TISSUE PRESERVATION IN ARTERIAL HYPERTENSION**  
J. E. Toblli(*), I. Stella*, O. Mazza, L. Ferder*, F. Inserra*
Laboratory of Experimental Medicine, Hospital Aleman, Buenos Aires, Argentina, *Instituto de Investigaciones Cardiologicas, ININCA, Buenos Aires, Argentina

88. **ROS ARE CRITICAL MEDIATORS OF ERKS ACTIVATION INDUCED BY ANGIOTENSIN II IN HUMAN FIBROBLASTS**  
Department of Clinical and Experimental Medicine, University of Padua, Italy, *Department of Physical Chemistry, University of Padua, Italy
89. **THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM AND HYPERINSULINEMIC CONDITION IN ELDERLY HYPERTENSIVE PATIENTS**

*SALUD, Spain*

90. **COLLAGEN PRODUCTION IN CARDIAC FIBROBLASTS DURING INHIBITION OF ANGIOTENSIN CONVERTING ENZYME AND AMINOPEPTIDASES**
P.J. Lijnen, V.V. Petrov, R.H. Fagard

*Hypertension Unit, University of Leuven (K.U.Leuven), Leuven, Belgium*

91. **RENIN-ANGIOTENSIN SYSTEM GENE POLYMORPHISMS FAIL TO PREDICT ANTIHYPERTENSIVE RESPONSES TO ACE INHIBITION OR ANGIOTENSIN BLOCKADE**

*Hypertension Center, Third University Department of Medicine, Sotiria Hospital, Athens, Greece, *MRC Blood Pressure Group, Western Infirmary, Glasgow, UK, **Division of Cardiovascular and Medical Sciences, Western Infirmary, Glasgow, UK*

92. **EFFECTS OF OLMESARTAN AND ENALAPRIL AT HYPOTENSIVE AND NON-HYPOTENSIVE DOSES ON CARDIAC AND RENAL INTERSTITIAL MATRIX IN SPONTANEOUSLY HYPERTENSIVE RATS**

*Chair of Internal Medicine, University of Brescia, Italy, *Chair of Human Anatomy, University of Brescia, Italy*

93. **CHANGES IN BLOOD PRESSURE, LEFT VENTRICULAR GEOMETRY AND ANGIOTENSIN-CONVERTING ENZYME GENE I/D POLYMORPHISM IN STRENGTH-TRAINED ATHLETES**

*Istanbul Faculty of Medicine, Istanbul, Turkey, *Genlab Research Laboratories, Istanbul, Turkey, **Ersek Cardiovascular Surgery Center, Istanbul, Turkey, ***Marmara Faculty of Chemical Engineering, Istanbul, Turkey*

94. **ROLE OF ALDOSTERONE IN THE VASCULAR INFLAMMATORY PROCESS ASSOCIATED WITH HYPERTENSION. PARTICIPATION OF NFkB/IKB SYSTEM**
D. Sanz-Rosa, E. Cediel, N. De las Heras, M. Miana, P. Oubina, V. Lahera, V. Cachofero

*Department of Physiology, School of Medicine, Universidad Complutense, Madrid, Spain*

95. **ALDOSTERONE SYNTHASE GENE (CYP11B2) C-344T POLYMORPHISM, BLOOD PRESSURE AND PLASMA ALDOSTERONE LEVELS IN A MULTIETHNIC POPULATION**

*St George's Hospital Medical School, London, UK, *Federico II Medical School, Naples, Italy, **CNR, Avellino, Italy*

96. **USE OF ACE-INHIBITORS REDUCES RISK OF ATRIAL FIBRILLATION AFTER CARDIAC SURGERY**

*Department of Cardiology and Intensive Care, General Hospital Wels, Austria, *Department of Cardiothoracic Surgery, General Hospital Wels, Austria*

97. **DIFFERENTIAL EFFECTS OF ANGIOTENSIN-TYPE I RECEPTOR BLOCKERS ON ENDOTHELIAL FUNCTION AND PROTHROMBOTIC STATE**

*1st Cardiology Department of Athens University, Athens, Greece, *1st Cardiology Department of Onassis Cardiac Surgery Centre, Athens, Greece*

98. **PLASMA RENIN ACTIVITY, ALDOSTERON AND PARATHYROID HORMONE IN PREDICTING THE DEVELOPMENT OF PREGNANCY INDUCED HYPERTENSION**
K. Zafirovska, V. Maleska*, L. Lozance, B. Gerasimovska, S. Bogdanovska

*Department of Nephrology, Medical Faculty, Skopje, R. Macedonia, *Department of Ohyiology, Medical Faculty, Skopje, R. Macedonia*
99. **CHANGES OF THE RENIN-ALDOSTERONE SYSTEM IN PATIENTS WITH RENOVASCULAR HYPERTENSION FOLLOWING SURGICAL REVASCULARISATION OR DOTTER ANGIOPLASTY**
   J. Nemes, O. Nemes, P. Kapronczay  
   1st Department of Internal Medicine, Medical Faculty, University of Pécs, Hungary

100. **HYPERTENSION RELATED TO PRIMARY HYPERALDOSTERONISM CAUSE OF CHRONIC RENAL INSUFFICIENCY: ABOUT 3 CASES**
   Hôpital Charles Nicolle, Tunis, Tunisia

101. **COMBINED THERAPY WITH ACE-INHIBITORS AND THE AT 1-RECEPTOR BLOCKER Candesartan: THE COURSE OF SERUM-POTASSIUM AND -CREATININE**
   B. Gremmler, K. Kisters*, M. Kunert, H. Schleiting, L.J. Ulbricht**  
   Cardiol. Dept. Marienhospital Bottrop, Germany, *University of Muenster and St. Anna-Hospital Herne, Germany, **University of Witten/Herdecke, Germany

102. **THERAPEUTIC EFFECTS OF DOTTER ANGIOPLASTY AND STENT IMPLANTATION IN RENAL ARTERY STENOSIS - A CASE REPORT**
   O. Nemes, J. Nemes, T. Rostás*  
   1st Dept. of Internal Medicine University of Pécs, Hungary, *Radiology Dept., Medical Faculty, University of Pécs, Hungary
103. COMPARISON OF BNP RESPONSE TO PRESSURE AND PRESSURE PLUS VOLUME OVERLOAD DURING PRIMARY HYPERALDOSTERONISM
T. Janota, P. Jakubik, J. Widimsky, H. Benakova, J. Hradec, T. Zelinka, T. Zima, D. Wichterle
University Hospital, 1st Medical School, Prague, Czech Republic

104. POLYMORPHONUCLEAR LEUKOCYTE MEMBRANE FLUIDITY AND CYTOSOLIC Ca2+ CONTENT AT BASELINE AND AFTER ACTIVATION IN ESSENTIAL HYPERTENSION
G. Caimi, C. Carollo, B. Canino, M. Montana, A. Romano, G. Cerasola, R. Lo Presti
Dipartimento di Medicina Interna, Malattie Cardiovascolari e Nefrourologiche, Università degli Studi di Palermo, Italy

105. THE EFFECTS OF NUTRITION WITH DIFFERENT SALT CONCENTRATIONS IN PREGNANT RATS ON INFANT'S VASCULAR RESPONSE
F. Heydarpour
Dept. of Physiology, Zanjan University of Medical Sciences, Zanjan, Iran

106. ESSENTIAL HYPERTENSION IS ASSOCIATED WITH SUBCLINICAL INFLAMMATION
H. Li, YC. Gong, JZ. Guo, DL. Zhu
Shanghai Institute of Hypertension, P.R. of China

107. INFLUENCE OF PLASMATIC AND TISSUE ANGIOTENSIN-CONVERTING ENZYME INHIBITORS (ACE-I) ON PLASMA ENDOTHELIN-1 (ET-1) CONCENTRATION IN PATIENTS WITH ESSENTIAL HYPERTENSION
H. Kara-Perz, T. Kosicka*, D. Pupek-Musialik**
Chair Of Chemistry And Clinical Biochemistry, University Of Medical Sciences, Poznan, Poland, *Hypertension Clinic, University Of Medical Sciences, Poznan, Poland, **Internal Medicine and Metabolic Diseases Clinic, University Of Medical Sciences, Poznan, Poland

108. Abstract withdrawn

109. EFFECT OF CARVEDILOL ON ENDOTHELIAL VASOACTIVE MEDIATORS IN PATIENTS WITH ESSENTIAL HYPERTENSION
T. Ovdienko, E. Svystchenko, L. Bezrodnaya, O. Yarynkina
Institute of Cardiology, Department of Hypertension, Kiev, Ukraine

110. AGE-RELATED ASPECTS OF ENDOTHELIAL AND IMMUNOLOGICAL INTERACTION ON HYPERTENSION
O. Nyzhegorodtseva, O. Kovalyova*
Kharkov State Medical University, Kharkov, Ukraine, *Kharkov State Medical University, Kharkov, Ukraine

111. URINARY VASOACTIVE PROSTAGLANDINS AND PLASMA ENDOTHELIN LEVELS IN NORMAL AND HYPERTENSIVE PREGNANCIES
V. Maleska-Ivanovska, K. Zafirovska*, B. Gerasimovska*, B. Dejanova
Dept. of Physiology, Medical Faculty, Skopje, R.Macedonia, *Dept. of Nephrology, Medical Faculty, Skopje, R. Macedonia
112. MAGNETIC RESONANCE IMAGING IN PATIENTS WITH CUSHING DISEASE AND ARTERIAL HYPERTENSION
O. Belichenko, A. Vorontsov, M. Sharia, T. Zenkova, V. Vladimirova, A. Denisov, S. Shakvorostova
Cardiology Research Center, Moscow, Russia, *National Endocrinological Research Center, Moscow, Russia

113. IS SERUM CARBOXY-TERMINAL PROPEPTIDE OF PROCOLLAGEN TYPE I LEVELS (THE INDICATOR OF MYOCARDIAL FIBROSIS) HIGHER IN DIPPER HYPERTENSIVE PATIENTS?
Cardiology Department, Faculty of Medicine, Afyon Kocatepe University, Afyon, Turkey, *Biochemistry Department, Faculty of Medicine Afyon Kocatepe University, Afyon, Turkey, **Cardiology Department, Faculty of Medicine, Selcuk University, Konya, Turkey

114. THE QTC PEAK INTERVAL DISPERSION IN PATIENTS WITH HYPERTHYROIDIA AND SYSTEMIC HYPERTENSION
S. Tudorica, C. Tudorica*, M. Moise**, M. Muraru*, D. Spataru*, A. Stoica***
Masina de Paine Endocrinology Ambulatory, Bucharest, Romania, *Cardiology Department, Coltea Hospital, Romania, **Diagnostic and Treatment Center, Dr. Victor Babes Bucharest, Romania, ***Medicover, Romania

115. CLINICAL AND BIOLOGICAL ASPECTS OF PRIMARY ALDOSTERONISM: 18 CASES
L. Cherif, K. Khiari, I. Hadj Ali, N. Ben Abdallah, H. Ben Maiz
Hôpital Charles Nicolle, Tunis, Tunisia

116. THE RECURRENT PHEOCHROMOCYTOMA: REPORT OF TWO CASES
L. Cherif, K. Khiari, I. Hadj Ali, N. Ben Abdallah, H. Ben Maiz
Hôpital Charles Nicolle, Tunis, Tunisia
117. SEX DIFFERENCES IN NITRIC OXIDE MODULATION OF GLUCOCORTICOID ACTIVITY IN NORMAL AND STRESSED RATS
O.V. Glushkovskaya-Semyachkina, T.G. Anichshenko
Saratov State University, Saratov, Russia

118. PHOSPHODIESTERASE TYPE 5 INHIBITION WITH SILDENAFIL PRESERVES ENDOTHELIAL FUNCTION DURING SMOKING
Athens Medical School, Athens, Greece

119. GENETIC PREDISPOSITION TO ENDOTHELIAL DYSFUNCTION IN CHRONIC HEART FAILURE: A CONTROLLED STUDY
Istanbul University, Medical Faculty, Department of Internal Medicine, Istanbul, Turkey, *Istanbul University, Medical Faculty, Department of Genetics, Istanbul, Turkey, **Istanbul University, Medical Faculty, Department of Cardiology, Istanbul, Turkey, ***Istanbul University, Medical Faculty, Department of Radiology, Istanbul, Turkey

120. HYPERPOLARIZATION MEDIATES ENDOTHELium-DEPENDENT VASODILATATION IN THE RADIAL ARTERY OF ESSENTIAL HYPERTENSIVE PATIENTS
L. Ghiadoni, I. Kardasz, A. Magagna, D. Versari, S. Buralli, S. Taddei, A. Salvetti
Internal Medicine, University of Pisa, Italy

121. ENDOTHELIAL DYSFUNCTION EVOLUTION IN HYPERTENSIVE PATIENTS TREATED WITH NEBIVOLOL VERSUS METOPROLOL
E. Badila, D. Bartos, M. Dorobantu
Emergency Hospital Bucharest, Romania

122. AUGMENTED PLASMA LEVELS OF C-REACTIVE PROTEIN IN UNTREATED ESSENTIAL HYPERTENSIVE PATIENTS
Department of Cardiology, Hippokration Hospital, Greece

123. ROLE OF ENDOTHELium-DERIVED NITRIC OXIDE AND ENDOTHELium-DERIVED HYPERPOLARIZING FACTOR ON BLOOD PRESSURE IN CONSCIOUS SPONTANEOUSLY HYPERTENSIVE RATS
Surugadai Nihon University Hospital, Tokyo, Japan

124. AN OBSERVATIONAL STUDY ABOUT THE DIAGNOSTIC AND PROGNOSTIC OF PROINFLAMMATORY CYTOKINES AND ACUTE PHASE PROTEINS IN THE ACUTE CORONARY SYNDROMS
R. Musetescu, D-M. Toader, D-D. Ionescu
Craiova Cardiology Center, Craiova, Romania
125. METABOLISM OF NITRIC OXIDE DURING THE HAND GRIP TEST AND TEST WITH REACTIVE HYPEREMIA IN HYPERTENSIVE PATIENTS
O. Moiseeva, E. Aleksandrova*, E. Lyasnikova, I. Emelyanov, N. Merculova, A. Zgloba*
Research Institute of Cardiology, Saint-Petersburg, Russia, *Pavlov Medical University, Saint-Petersburg, Russia

126. IS NITRIC OXIDE THE PRINCIPAL OR SUPPORTING CHARACTER IN THE DEVELOPMENT OF WHITE COAT HYPERTENSION AND PERSISTENT HYPERTENSION?
O. Nyzhegorodtseva
Kharkov State Medical University, Kharkov, Ukraine

127. OXIDATIVE STRESS IN WHITE COAT HYPERTENSION: ROLE OF PARAOXANASE
Istanbul University, Cerrahpasa Medical Faculty, Internal Medicine Department, Istanbul, Turkey, *Istanbul University, Cerrahpasa Medical Faculty, Public Health Department, Istanbul, Turkey, **Itaksim Public Hospital, Neurology Department, Istanbul, Turkey, ***Istanbul University, Cerrahpasa Medical Faculty, Biochemistry Department, Istanbul, Turkey, ****Istanbul University, Cerrahpasa Medical Faculty, Physiology Department, Istanbul, Turkey, *Istanbul University, Cerrahpasa Medical Faculty, Cardiology Department, Istanbul, Turkey

128. ENDOTHELIAL, ANTIPLATELET AND METABOLIC EFFECTS OF SLOW-RELEASE NIFEDIPINE AND METOPROLOL IN PATIENTS WITH ESSENTIAL HYPERTENSION
Omsk Medical Academy, Omsk, Russia, *Omsk Cardiologic Centre, Omsk, Russia, **Omsk Diagnostic Centre, Omsk, Russia

129. GENETIC PREDISPOSITION TO ENDOTHELIAL DYSFUNCTION IN ESSENTIAL HYPERTENSION: A CONTROLLED STUDY
Istanbul University, Medical Faculty, Department of Internal Medicine, Istanbul, Turkey, *Istanbul University, Medical Faculty, Department of Genetics, Istanbul, Turkey, **Istanbul University, Medical Faculty, Department of Cardiology, Istanbul, Turkey, ***Istanbul University, Medical Faculty, Department of Radiology, Istanbul, Turkey

130. NITRIC OXIDE AND ENDOTHELIN IN NON-COMPLICATED AND COMPLICATED ARTERIAL HYPERTENSION
A. Goch, J.H. Goch
Department of Cardiology and Hypertension, Medical University of Lódz, Poland

131. EVALUATION OF ET-1 URINE LEVEL IN HYPERTENSIVE AND NORMOTENSIVE SUBJECTS
T. Kosicka, H. Kara-Perz*, A. Boruczkowska, J. Gluszek
Hypertension Clinic, Medical Academy, Poznan, Poland, *Department of Clinical Biochemistry, Medical Academy, Poznan, Poland
BLOOD VESSELS

Poster Session 50

Wednesday, June 16
Hall Maillot - Level 2
12.30 / 15.30

Chairpersons:
A. Izzard (Manchester, UK)
P. Pauletto (Treviso, Italy)

132. A NOVEL METHOD FOR MEASUREMENT OF AORTIC PULSE WAVE VELOCITY BY TWO-CHANNEL PHOTOPLETHYSMOGRAPHY
Department of Internal Medicine, National Cheng Kung University Medical Center, Tainan, Taiwan,
*Department of Computer Science and Information Engineering, Southern Taiwan University of Technology, Tainan, Taiwan

133. DARK CHOCOLATE IMPROVES ARTERIAL STIFFNESS AND ENDOTHELIAL FUNCTION
N. Alexopoulos, C. Vlachopoulos, K. Aznouridis, N. Ioakeimidis, D. Tsekoura, C. Pitsavos, C. Stefanadis
Athens Medical School, Athens, Greece

134. THE FINGERPLETHYSMOGRAPHIC METHOD TO ASSESS PULSEWAVE VELOCITY IS CORRELATED TO AORTIC PULSEWAVE VELOCITY, AUGMENTATION INDEX, AND TO PERIPHERAL ARTERIAL OCCLUSIVE DISEASE
J. Bauermann, R. Homsi, S. Uen, R. Duesing, H. Vetter, T. Mengden
Medizinische Poliklinik University of Bonn, Germany

135. CLINICAL SIGNIFICANCE OF IMPAIRED ARTERIAL DISTENSIBILITY IN THE EARLY STAGE OF HYPERTENSION
D. Longo, R. Garbelotto, V. Zetta, D. Perkovic, M. Puato, P. Frezza, P. Visentin, M. Winnicki(*), P. Palatini
University of Padova, Italy, *Medical University of Gdansk, Poland

136. REPEATABILITY OF NON-INVASIVE MEASUREMENTS OF INTRA-CEREBRAL PULSE WAVE VELOCITY (PWV)
S. Gladdish, D. Manawadu, W. Banya, J.D. Cameron, C. Bulpitt, C. Rajukumar
Faculty of Medicine, Imperial College, Hammersmith Hospital, London, UK

137. AORTIC PULSE PRESSURE AND Atherosclerotic Structural Alterations of Coronary Arteries
J.J. Mourad, N. Danchin*, A. Rudnichi**, M.E. Safar**
*Department of Internal Medicine, European Hospital Georges-Pompidou, Paris, France, **Dept. of Cardiology, European Hospital Georges-Pompidou, Paris, France, ***Diagnosis Center, Hotel-Dieu, Paris, France

138. EFFECTS OF LONG TERM INTERVENTION ON RENIN-ANGOTENSIN-ALDOSTERONE SYSTEM IN HYPERTENSIVE PATIENTS
University of Buenos Aires, Argentina

139. BLOOD PRESSURE, LEFT VENTRICULAR MASS AND RENAL FUNCTION IN YOUNG HYPTERTENSIVE PATIENTS WITH NORMAL AND IMPAIRED AORTIC COMPLIANCE
B. Krasinska, P. Lopatka, Z. Krasinski*, A. Tykarski
Department Of Hypertension, University Of Medical Sciences, Poznan, Poland, *Department Of General And Vascular Surgery, University Of Medical Sciences, Poznan, Poland

140. SPIRAL COMPUTER TOMOGRAPHY ANGIOGRAPHY IN DIAGNOSIS OF Atherosclerotic Renal Disease
G. Zvinkliene, J. Zvinkliene*, G. Balezantiene, E. Gruodyte
Vilnius City University Hospital, Vilnius, Lithuania, *Vilnius Diagnostic Center, Vilnius, Lithuania
141. AORTIC PRESSURE DURING EXERCISE IS SIGNIFICANTLY ELEVATED WITH AGE AND HYPERCHOLESTEROLEMIA  
The University of Queensland, Brisbane, QLD, Australia, *University of Cambridge, Cambridge, UK, **University of Wales College of Medicine, Cardiff, UK

142. ESSENTIAL HYPERTENSION AND PERIPHERAL ARTERIAL DISEASE: A FORGOTTEN ASSOCIATION  
S. Tranche, A. Riesgo, MA. Prieto*, E. Hevia**, R. Villa, R. Marín***  
Primary Care Center of El Cristo, Oviedo, Asturias, Spain, *Primary Care Center of Vallobin-Concinos, Oviedo, Asturias, Spain, **Primary Care Center of Cabañaquinta, Oviedo, Asturias, Spain, ***Hypertension Unit, Hospital Central de Asturias, Spain

143. MENTAL STRESS HAS AN UNFAVORABLE EFFECT ON AORTIC STIFFNESS AND WAVE REFLECTION  
Athens Medical School, Athens, Greece, *Henry Dynant Hospital, Athens, Greece

144. THE EFFECTS OF AMLODIPINE ON PULSE PRESSURE AND AORTIC STIFFNESS IN HYPERTENSIVE PATIENTS WITH HYPERALDOSTERONEMIA  
D. Chopikashvili, N. Chikhladze, A. Rogoza, G. Litonova, I. Chazova  
Moscow, Russia

145. AMLODIPINE-BENAZEPRI VS. BENAZEPRIL: COMPARATIVE EFFECTS ON BLOOD PRESSURE AND ARTERIAL WALL FUNCTION IN ESSENTIAL HYPERTENSIVE PATIENTS  
Institute of Cardiology and Cardiovascular Surgery-Favaloro Foundation, Argentina, *René G. Favaloro University Foundation, Argentina, **IVAX Argentina SA, Argentina

146. INVASIVE MEASUREMENTS OF PULSE WAVE VELOCITY CORRELATE WITH THE DEGREE OF AORTIC VALVE CALCIFICATION AND SEVERITY IN PATIENTS WITH DEGENERATIVE AORTIC STENOSIS  
Institute of Clinical Medicine, National Cheng-Kung University, Tainan, Taiwan, *Division of Cardiology, Internal Medicine, National Cheng-Kung University Medical Center, Tainan, Taiwan, **Department of Emergency Medicine, National Cheng-Kung University Medical Center, Tainan, Taiwan

147. ARTERIAL STIFFNESS IN HEALTH AND DISEASE: ARE THERE HEALTHY VESSELS IN HEALTHY POPULATION?  
R. Zimlichman  
The Brunner Institute for Cardiovascular Research, Department of Medicine and Hypertension Institute, Wolfson Medical Center, Israel

148. SYSTOLIC BLOOD PRESSURE DIFFERENCE BETWEEN PERIPHERAL ARTERY AND AORTA WITH AGING  
Hallym University, Korea, *Korea University, Korea, **Gachun University, Korea
149. INFLUENCE OF PERIVASCULAR ADIPOSE TISSUE AND LEPTIN ON MESENTERIC VASCULAR RESISTANCE IN HYPERTENSION
B. Galvez-Prieto, F. Abderrahim*, MS. Fernandez-Alfonso
Depo de Farmacologia, Fac de Farmacia, Universidad Complutense, Madrid, *Depo de Fisiologia, Fac de Medicina, Universidad Autonoma, Madrid

150. PAI-1 AND TGF-B1 IN CAROTID GLOMUS AND AUTONOMIC GANGLIA FROM SHR
J. Milei, G. Cao*, D.R. Grana, J.E. Toblli( *,)
Instituto de Investigaciones Cardiológicas (ININCA) UBA-Conicet, Buenos Aires, Argentina, *Experimental Medicine Lab, Hospital Alemán, Buenos Aires, Argentina

151. ANGIOTENSIN II-INDUCED PROLIFERATION IS DECREASED IN THE PRESENCE OF LEPTIN ON WISTAR RAT AORTA
A. Rodriguez*, G. Frühbeck(*,***), J. Gómez-Ambrosi*, J. Salvador***, J. Diez( ,**), A. Fortuño
Division of Cardiovascular Pathophysiology, FIMA, Spain, *Metabolic Research Laboratory, University of Navarra, Spain, **Department of Cardiology and Cardiovascular Surgery, University Clinic, Spain, ***Department of Endocrinology, University Clinic, Spain

152. TREATMENT WITH THE CALCIUM CHANNEL ANTAGONIST LERCANIDIPINE MODULATES ASYMMETRIC DIMETHYLARGININE (ADMA)
Medical School Hannover, Hannover, Germany, *Franz-Vollhard Clinic, Charité, Berlin, Germany

153. CHRONIC N-ACETYLGLYCINE TREATMENT PREVENTS THE DEVELOPMENT OF SALT HYPERTENSION IN IMMATURE DAHL RATS
J. Kunset ( , *), Z. Dobesova( , *), J. Zicha( , *)
Institute of Physiology AS CR, Prague, Czech Republic, *Center for Experimental Research of Cardiovascular Diseases, Prague, Czech Republic

154. PLATELET-DERIVED DIADENOSINE POLYPHOSPHATES: REASON OF THE INCREASED VASCULAR GROWTH IN HYPERTENSIVE CHRONIC RENAL FAILURE PATIENTS?
V. Jankowski, M. van der Giet, W. Zidek, M. Tepel, J. Jankowski
Charite - Campus Benjamin Franklin, Med. Klinik IV, Berlin, Germany

155. ELECTROCARDIOGRAPHIC SIGNS OF LEFT VENTRICULAR HYPERTROPHY IN NONHYPERTENSIVE HYBRIDS OF SPONTANEOUSLY HYPERTENSIVE AND WISTAR-KYOTO RATS
E. Blinova, O. Fomina, Y. Budnikov, A. Postnov
Russian Cardiology Research Center

156. THE CALCIUM CHANNEL ANTAGONIST LERCANIDIPINE REDUCES INFLAMMATION MARKERS AND PROLONGS SURVIVAL
Medical School Hannover, Hannover, Germany, *Franz Vollhard Clinic, Charité, Berlin, Germany
157. **EFFECTS OF LOW-DOSE SYMPATHOLYTIC TREATMENT BY MOXONIDIN OR ALPHA- AND BETA-BLOCKERS ON CARDIOVASCULAR STRUCTURES IN RENAL HYPERTENSION**


Dept. of Pathology, University of Erlangen, Germany, *Dept. of Pathology, University of Erlangen, Germany, **Dept. of Pathology, University of Heidelberg, Germany, ***Dept. of Pathology, University of Heidelberg, Germany, ****Dept. of Pathology, University of Hamburg, Germany, **Dept. of Internal Medicine, University of Heidelberg, Germany, ***Dept. of Internal Medicine, University of Erlangen, Germany

158. **SIMILAR AORTIC AND ERECTILE TISSUE REMODELING IN SPONTANEOUSLY HYPERTENSIVE RATS**


PELVIPHARM, Gif sur Yvette, France, *CNRS UPRESA 7053, Créteil, France, **NOVARTIS, East Hanover, NJ, USA, ***Groupe de Recherche en Urologie UPRES, EA 102, Le Kremlin-Bicêtre, France

159. **EFFECTS OF VASOACTIVE AGENTS IN YOUNG AND ADULT SPONTANEOUS HYPERTENSIVE RAT.**

G. Gendron, S. Bélanger, F. Gobeil, P. D’Orléans-Juste, D. Regoli

Institute of Pharmacology of Sherbrooke, Canada

160. **DECREASED ATP-SYNTHESIS ABILITY OF BRAIN MITOCHONDRIA IN SPONTANEOUSLY HYPERTENSIVE RATS**

A. Doroshchuk, A. Postnov, G. Afanasjeva, Y. Budnikov

Russian Cardiology Research Center, Moscow, Russia

161. **DOES LOSARTAN OR BOSENTAN REVERSE THE CARDIAC CHANGES INDUCED BY HIGH SODIUM DIET IN THE RAT**

M. Cordaillat, C. Rugale, A. Mimran, B. Jover

University Montpellier I, France

162. **CHRONIC ANGIOTENSIN CONVERTING ENZYME (ACE) INHIBITION RESTORES THE RENAL MEDULLARY VASODILATORY RESPONSE TO ANGIOTENSIN II (AII) IN LYON GENETICALLY HYPERTENSIVE (LH) RATS**

Kl. Liu, M. Lo, D. Benzoni

University of Lyon, France

163. **ARGAN OIL LOWERS BLOOD PRESSURE AND IMPROVES ENDOTHELIAL DYSFUNCTION IN SPONTANEOUSLY HYPERTENSIVE RATS**

M. Alvarez-Sotomay, H. Berrougui*, C. Perez-Guerrero, E. Marhuenda, M.D. Herrera

Departamento Farmacología, Facultad de Farmacia, Univ. de Sevilla, Seville, Spain, *U.F.R. Substances Naturelles, Univ Mohamed V Soussi, Rabat, Morocco

164. **DECREASED ANTIOXIDANT ENZYME ACTIVITY IN VEINS FROM HYPERTENSIVE RATS WITH ACTIVATION OF THE RENIN ANGIOTENSIN SYSTEM**


Institute Of Pharmacology And Therapeutics, Faculty Of Medicine Of Porto, University Of Porto, Portugal, *Requimte, Physical Chemistry Department, Faculty Of Pharmacy Of Porto, University Of Porto, Portugal, **Requimte, Toxicology Department, Faculty Of Pharmacy Of Porto, University Of Porto, Portugal

165. **THE IMPORTANCE OF PREVENTION OF NAUSEA AND REPEATED VOMITING DURING PREGNANCY ON BP AND RELATED PROBLEMS IN NEXT GENERATION**

R. Samadi, F. Heydarpour

Dept. of Physiology, Zanjan University of Medical Sciences, Zanjan, Iran

166. **ALPHA2-ADRENO- AND I1-IMIDAZOLINE RECEPTORS INVOLVEMENT IN HYPOTENSIVE EFFECT OF IMIDAZOLINE DERIVED WITH CENTRAL MECHANISM OF ACTION**

N. Feldsherova, R. Khrustaleva, V. Tsyline

Research Institute of Cardiology, St.Petersburg, Russia
167. **Efficacy of Enalapril 10 mg Plus Nitrendipine 20 mg in Patients with Non-Controlled Hypertension Using Previous Monotherapy (ACE Inhibitors or Calcium Antagonists)**

J. Abellán, P. Saucedo, R. López, F. Hernández, À. Iñiguez*
Health Area Centres from Murcia (Spain), *Departamento Médico, Laboratorios VITA S.A. (Barcelona) Spain

168. **Cell Energy Deficiency as a New Mechanism in Pathogenesis of Primary Hypertension in SHR**

A. Postnov, Y. Budnikov
Russian Cardiology Research Center, Moscow, Russia

169. **The Risk of Ventricular Arrhythmia in Unischaemic Hypertensive Patients with Ventricular Hypertrophy**

C. Calin, C. Caltea, C. Sinescu
Dept. of Cardiology Babdasar-Arseni Emergency Hospital, Bucharest, Romania

170. **Effectivity and Tolerability of Enalapril Plus Nitrendipine on a Fixed Dose Combination in Different Hypertensive Populations**

À. Iñiguez, A. De La Sierra*, M. Luque**, J. Combalía
Departamento Médico, Laboratorios VITA S.A. (Barcelona) Spain, *Unitat de Hipertensió Arterial, Hospital Clínic de Barcelona (Barcelona) Spain, **Unidad de Hipertensión Arterial, Hospital Clínico San Carlos (Madrid) Spain

171. **Decreased Ca2+ Accumulation Ability of Liver Mitochondria in Spontaneously Hypertensive Rats**

Y.Y. Budnikov, A.D. Doroschuk, G.V. Afanasjeva, A.Y. Postnov, Y.V. Postnov
Russian Cardiology Research Center, Russia

172. **Sodium, Birth Weight, Adult Weight and BP in Adulthood**

F. Heydarpour
Dept. of Physiology, Zanjan University of Medical Sciences, Zanjan, Iran

173. **Structure and Function of Mesenteric Small Resistance Arteries in Milan Hypertensive and Normotensive Rats**

D. Rizzoni, M. Castellano, P. Ferrari*, D. Cusi**, E. Porteri, M. Beschi, F. Rivadossi, F. Rossi, C. De Ciuceis, E. Agabiti Rosei
Chair of Internal Medicine, Univ. of Brescia, Italy, *Prassisi Sigma Tau Research Institute, Milan, Italy, **Chair of Nephrology, University of Milan, Italy

174. **Protein Remodeling of the Heart Ventricles in Hereditary Hypertriglyceridemic Rat: Effect of ACE-Inhibition**

Department of Pathophysiology Comenius University, School of Medicine, Bratislava Prague, Czech Republic, *Department of Pathology, Comenius University, School of Medicine, Bratislava Prague, Czech Republic, **Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovak Republic Prague, Czech Re, ***Dept of Medical ChemistryCard&Biochemistry, 2nd Fac of Medicine, Charles University, Prague, Czech Republic

175. **Does the Adhesive Molecules - ICAM, Have the Role in Inception of Hypertension**

S. Pantovic, M. Martinovic
Department of Biochemistry, Medical School, University of Montenegro, Podgorica, Serbia and Montenegro
176. THE ANGIOTENSINOGEN M235T POLYMORPHISM AND SYSTOLIC BLOOD PRESSURE IN A DUTCH MULTI-ETHNIC STUDY
Academic Medical Centre, Amsterdam, The Netherlands, *Erasmus Medical Centre, Rotterdam, The Netherlands

177. ASSOCIATION OF THE POLYMORPHIC MARKERS OF MTHFR, EDN1, CYP11B2, PPARA AND PPARG2 GENES WITH THE SEVERITY OF ESSENTIAL HYPERTENSION
L. Minouchkina, I. Ignatiev*, V. Brazhnik, N. Babunova*, D. Zateyshchikov, V. Nosikov*, B. Sidorenko
President Medical Centre, Moscow, Russia, *National Research Centre GosNII genetika, Moscow, Russia

178. A NEW ERYTHROPOIETIN GENE POLYMORPHISM IN THE HYPOXIA RESPONSIVE ELEMENT IS ASSOCIATED WITH SEVERE ESSENTIAL HYPERTENSION, AND ORGAN DAMAGE AND VASCULAR EVENTS
Center of Nephrology and Dialysis, Bovenden, Germany, *Dpt. of Nephrology/Rheumatology, Center of Internal Medicine, University Hospital, Goetting, Germany

179. GENETIC DISTRIBUTION OF GSTM1 AND GSTT1 IN HYPERTENSIVE PORTUGUESE SUBJECTS: ASSOCIATION WITH PLASMA EPINEPHRINE OXIDASE ACTIVITY
Center of Metabolism and Endocrinology, Genetics Lab, Portugal, *Dpt. of Medicine Sta. Maria Hospital, Faculty of Medicine, Lisbon, Portugal, **Dpt. of Pediatrics, Porto School of Medicine, Portugal, ***Health center of Ribeira de Pena, Portugal

180. AN EXTREME DISCORDANT SIB PAIR SCAN FOR IDENTIFYING GENES REGULATING BLOOD PRESSURE
Y. Yasmin, K. O'Shaughnessy, M. Brown
Clinical Pharmacology Unit, University of Cambridge, Addenbrookes Hospital, Cambridge, UK

181. CD14 C(-260)T GENE POLYMORPHISM, SOLUBLE CD14 AND ARTERIOSCLEROSIS
Service de Médecine Interne et d'Hypertension Artérielie, CHU Toulouse, France, *INSERM U558, CHU Toulouse, France, **Laboratoire d'Hématologie, Hôpital Lariboisière, PARIS, FRANCE, ***Service de Médecine Vasculaire, CHU Toulouse, France

182. GENETIC BACKGROUND OF LEFT VENTRICULAR DYSFUNCTION IN THE EARLY STAGE OF HYPERTENSION
Medical University of Gdansk, Gdansk, Poland, *University of Padua, Padua, Italy

183. METHYLENETETRAHYDROFOLATE REDUCTASE(MTHFR), 677TT GENOTYPE PREDICTS HYPERTENSIVE NEPHROSCLEROSIS
P. Koupepidou, T. Christophides*, C. Constantinou-Deltas( ), A. Pierides***
Dept of Molecular Genetics C’ The Cyprus Institute of Neurology & Genetics, Greece, *Dept of Mathematics & Statistics, University of Cyprus, Greece, **Dept of Nephrology, Nicosia general Hospital, Greece, ***Dept of Biological Sciences, University of Cyprus, Greece
184. THE INDICES OF ARTERIAL STRUCTURE AND FUNCTION IN RELATION TO G PROTEIN BETA 3 SUBUNIT GENE (GNB3) POLYMORPHISM (C825T)
I Cardiac Department, Jagiellonian University Medical College, Cracow, Poland, *Department of Internal Medicine and Gerontology, Jagiellonian University Medical College, Cracow, Poland, **Department of Clinical Biochemistry, Jagiellonian University Medical College, Cracow, Poland

185. INCREASED INFLAMMATORY MARKERS IN ESSENTIAL HYPERTENSIVES WITH THE DD GENOTYPE OF THE ACE GENE
M. Larrousse, M. Segarra, E. Bragulat, C. Sierra, A. Coca, A. De la Sierra
Hospital Clinic, Barcelona, Spain

186. INSERTION/DELETION POLYMORPHISM OF THE ANGIOTENSIN-CONVERTING ENZYME GENE INFLUENCES CIRCADIAN PULSE RATE VARIABILITY IN THE POPULATION-BASED FAMILY STUDY
I Cardiac Department, Jagiellonian University Medical College, Cracow, Poland, *Department of Clinical Biochemistry, Jagiellonian University Medical College, Cracow, Poland

187. GENETIC INFLUENCES OF BETA ADRENOCEPTOR SINGLE NUCLEOTIDE POLYMORPHISMS ON HYPERTENSIVE COMPLICATIONS
M. Ohishi, M. Yuan, N. Ito, K. Sugimoto, M. Kaibe, T. Takagi, Y. Fu, T. Katsuya, H. Rakugi, T. Ogihara
Osaka University Graduate School of Medicine, Suita, Osaka, Japan

188. INTRONE RXR ALPHA POLYMORPHISM AND A BLOOD GROUP IN CHRONIC HEART FAILURE
Medical Faculty, Masaryk University, Brno, Czech Republic, *St.Anne’s Faculty Hospital, Masaryk University Brno, Czech Republic

189. ANALYSIS OF COMMON GENETIC POLYMORPHISMS & HAPLOTYPES IN ESSENTIAL HYPERTENSION IN POLISH POPULATION
G. Dzida
Department of Internal Medicine, University Medical School of Lublin, Lublin, Poland

190. FUNCTIONAL EFFECT OF THE C242T POLYMORPHISM IN THE NAD(P)H OXIDASE P22PHOX GENE ON SUPEROXIDE PRODUCTION IN ESSENTIAL HYPERTENSION
G. Zalba, G. San José, M. Moreno, S. Oliván, R. Ros, A. Montoya, O. Beloqui*, A. Fortuño, J. Diez
Cardiovascular Pathophysiology Area, Fima, Pamplona, Spain, *Department of Internal Medicine, University Clinic, University of Navarra, Pamplona, Spain

191. ASSOCIATION BETWEEN PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GENE POLYMORPHISM AND GLUCOSE INTOLERANCE IN OVERWEIGHT UNTREATED HYPERTENSIVE PATIENTS
V.V. Tolkacheva, Z.D. Kobalava, V.V. Nosikov*, V.S. Moiseev
Russian Peoples Friendship University, Moscow, Russia, *GosNII «Genetica», Moscow, Russia

192. ANGIOTENSIN CONVERTING ENZYME GENE I/D POLYMORPHISM HAS SIGNIFICANT INFLUENCE ON BLOOD PRESSURE CHANGE DURING 7 YEARS FOLLOW UP
Ist Dept. of Cardiology, Medical University of Gdansk, Poland, *Dept. of Biology and Genetics, Medical University of Gdansk, Poland

193. CONTEXT-DEPENDENCY OF THE RELATION BETWEEN LEFT VENTRICULAR MASS AND AGT GENE VARIANTS
University of Leuven, Leuven, Belgium, *Institute of Internal Medicine, Novosibirsk, Russia, **University of Berlin, Berlin, Germany, ***Jagiellonian University, Cracow, Poland, ****University of Padova, Padova, Italy, *University Clinic Münster, Münster, Germany
194. ASSOCIATION OF PERIPHERAL AND CENTRAL ARTERIAL WAVE REFLECTIONS WITH THE CYP11B2 -344C ALLELE AND SODIUM EXCRETION


First Cardiac Department, Medical College, Jagiellonian University, Cracow, Poland, *Department of Molecular and Cardiovascular Research, University of Leuven, Leuven, Belgium, **Department of Internal Medicine II, Charles University Medical School, Pilsen, Czech Republic, ***Cattedra e Scuola di Nefrologia, Universita Vita e Salute San Raffaele, Milano, Italy, ****Department of Internal Medicine and Gerontology, Medical College, Jagiellonian University, Poland, °Division of Clinical Pharmacology and Pharmacotherapy, Heymans Institute for Pharmacology, Belgium

195. ALBUMINURIA IN NORMOTENSIVE AND HYPERTENSIVE ADULTS AND THEIR OFFSPRINGS

I. Tziolas, A. Lasaridis, P. Zebekakis, P. Sarafidis, L. Hatzistavri, I. Metallidis, Ach. Tourkantonis

First Department Of Medicine Hospital Ahepa University Thessaloniki, Greece

196. COMPARISON BETWEEN OBESE HYPERTENSIVES AND NON OBESE BRAZILIAN INDIVIDUALS: PPAR-GAMMA 2 PRO12ALA AND THE BETA3-ADRENERGIC RECEPTOR TRP64ARG POLYMORPHISMS

SFP. Duarte*, SG. Barroso, RS. Gestinari-Duarte*, DC. Valença, V. Genelhu-Abreu, EA. Francischetti, MMG. Pimentel*

Hypertension Clinic - CLINEX - Rio de Janeiro State University - Brazil, °SERVGEN-HUMAN GENETIC SERVICE - Rio de Janeiro State University - Brazil
197. GENETIC POLYMORPHISM OF RENIN-ANGIOTENSIN-ALDOSTERONE AND SYMPATHETIC NERVOUS SYSTEMS IN EARLY ISCHEMIC STROKE
Chair of Internal Medicine - University of Brescia, Brescia, Italy, *Chair of Neurology - University of Brescia, Brescia, Italy

198. ASSOCIATION BETWEEN PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA GENE POLYMORPHISM AND INSULIN RESISTANCE IN OVERWEIGHT UNTREATED HYPERTENSIVE PATIENTS
Z.D. Kobalava, V.V. Tolkacheva, V.V. Nosikov*, V.S. Moiseev
Russian Peoples Friendship University, Moscow, Russia, *GosNII «Genetica», Moscow, Russia

199. ACE/DD GENOTYPE IS ASSOCIATED WITH HIGH PULSE PRESSURE IN PATIENTS WITH DIASTOLIC HYPERTENSION
TH. Makris, A. Hatzizacharias, P. Krespi, A. Zilidis, G. Stavroulakis, D. Papadopoulos, C. Tsoukala, V. Votteas
Cardiology Department, LAIKO General Hospital, Athens, Greece

200. RELATION OF C-31T POLYMORPHISM IN THE PROMOTER REGION OF INTERLEUKIN-1 BETA GENE TO THE ONSET OF ACUTE MYOCARDIAL INFARCTION
Department of Medicine, National Cheng Kung University Medical Center, Tainan, Taiwan, *Department of Biochemistry, National Cheng Kung University Medical Center, Tainan, Taiwan

201. FREQUENCY AND CLINICAL-GENETICS ASPECTS OF ARTERIAL HYPERTENSION AND ASSOCIATED DISEASES
D. Coprean, B. Bosca, S. Lerintiu, M. Militaru
UMF Iuliu Hatieganu, Cluj Napoca, Romania

202. THE BLOOD GENETIC MARKERS AS RISK FACTOR IN ARTERIAL HYPERTENSION
YU. Bubnov, N., Erina
Hereditary Cardiovascular Centre, Moscow, Russia

203. ASSOCIATION BETWEEN A1166C POLYMORPHISM OF ANGIOTENSIN II TYPE 1 RECEPTOR GENE AND CARDIOVASCULAR REMODELING PROCESSES IN UZBEK HYPERTENSIVE PATIENTS
N.Z. Sirjojddinova, M.R. Eliseyeva, D.R. Kurbanova, G.J. Abdullaeva
Republic Centre of Cardiology, Tashkent, Uzbekistan

204. SODIUM INTERACTION WITH EMBRYONIC GENE EXPRESSION
R. Samadi, F. Heydarpour
Dept. of Physiology, Zanjan University of Medical Sciences, Zanjan, Iran

205. ANGIOTENSIN-CONVERTING ENZYME AND ENDOTHELIAL NITRIC OXIDE SYNTHASE GENETIC POLYMORPHISMS IN RELATION TO HYPERTENSION IN THE POPULATION-BASED FAMILY STUDY
I Cardiac Department, Jagiellonian University Medical College, Cracow, Poland, *Department of Clinical Biochemistry, Jagiellonian University Medical College, Cracow, Poland
206. **HCARG EXPRESSION IS REGULATED BY CALCIUM AND SODIUM IONS**  
S. Tremblay, N. Bourcier, P. Dumas, S.N. Orlov, P. Hamet, J. Tremblay  
CRCHUM, Hôtel-Dieu, Montréal, Québec, Canada

207. **FUNCTIONAL ANTAGONISM BETWEEN ETB AND ETA RECEPTORS IN JNK1 ACTIVATION OF HUMAN CARDIAC FIBROBLASTS**  
Clinica Medica e Cardiologia, Universita' degli Studi di Firenze, Italy

208. **INSULIN PROTECTS CARDIOMYOCYTES FROM HYPOXIA-INDUCED CASPASE 3 CLEAVAGE THROUGH AKT AND ERKS DEPENDENT PATHWAYS**  
C. Morisco, C. Marrone, B. Trimarco  
Department of Internal Medicine, University Federico II, Naples, Italy

209. **IMPLICTION OF EPIDERMAL GROWTH FACTOR RECEPTOR TRANSACTIVATION BY G-PROTEIN COUPLED RECEPTORS FOR HYPOXIA-INDUCIBLE FACTOR-1 ALPHA INDUCTION**  
E.L. Pagé, D.E. Richard  
Centre de Recherche de l’Hôtel-Dieu de Québec, Université Laval, Québec, QC, Canada

210. **TISSUE TRANSGlutaminase AND PHOSPHOLIPASE C-DELTA 1 ARE COMPLEXED IN HUMAN VASCULAR SMOOTH MUSCEL CELLS AFTER SERUM DEPRIVATION**  
S. Fexby, AD. Hughes, JS. Lymn  
Clinical Pharmacology, NHLI , Faculty of Medicine, Imperial College London, UK

211. **OPPOSED EXPRESSION OF RENAL TYPE-A NATRIURETIC PEPTIDE RECEPTOR IN THE REMNANT RENAL CORTEX AND MEDULLA OCCURS IN RELATION WITH CHANGES IN BLOOD PRESSURE**  
Dept of Physiology, Faculty of Medicine, Porto, Portugal, Institute of Pharmacology and Therapeutics, Faculty of Medicine, Porto, Portugal, Dept. of Nephrology, Faculty of Medicine, Porto, Portugal

212. **ANGIOTENSIN II ACTIVATES THE SMAD SIGNALLING PATHWAY: ROLE IN VASCULAR FIBROSIS**  
Renal and Vascular Research Laboratory, UAM. Fundación Jimenez Diaz, Madrid, Spain

213. **HYPERTENSION IS DIFFICULT TO NORMALIZE IN RENAL TRANSPLANT PATIENTS**  
B. Legallicier, I. Etienne, L. Ben Fatma, S. Barbier, E. Martin Passos, F. Le Roy, M. Godin  
Rouen University Hospital Department of Nephrology, Rouen, France

214. **NATRIURETIC RECEPTOR GENOTYPES AND NATRIURETIC RECEPTOR GENE EXPRESSION IN HUMAN CAROTID ATHEROSCLEROTIC PLAQUES**  
Department of Internal Medicine, University of Ancona, Ancona, Italy, Department of Vascular Surgery, University of Ancona, Ancona, Italy

215. **AKT COMPARTMENTALIZATION IN RESPONSE TO AGONIST STIMULATION IS IMPAIRED IN SPONTANEOUSLY HYPERTENSIVE RATS (SHR) ENDOTHELIAL CELLS**  
Medicina Clinica Scienze Cardiovascolari, Federico II University, Naples, Italy, CEINGE Bitoecnologie Avanzate, Naples, Italy, School of Biotechnicians, Federico II University, Naples, Italy

216. **SERUM CREATINE KINASE AND BLOOD PRESSURE LEVELS IN A RANDOM SAMPLE OF THE POPULATION**  
Department of Internal Medicine, AMC, University of Amsterdam, Holland, Department of Social Medicine, AMC, University of Amsterdam, Holland, Department of Neurology, University of Cincinnati, USA
217. ESSENTIAL HYPERTENSION: POLYMORPHONUCLEAR LEUKOCYTE INTEGRIN PROFILE
G. Caimi, C. Carollo, M. Montana, B. Canino, A. Catania, G. Cerasola, R. Lo Presti
Dipartimento di Medicina Interna, Malattie Cardiovascolari e Nefrourologiche, Università degli Studi di Palermo, Italy

218. HYPERTENSION IN PATIENTS WITH IDIOPATHIC HYPERCKEMIA
L.M. Brewster, S. van Bree*, M. de Visser*, G.A. van Montfrans
Department of Internal Medicine, AMC, University of Amsterdam, Holland, *Department of Neurology, AMC, University of Amsterdam, Holland

219. ESSENTIAL ARTERIAL HYPERTENSION AND POLYMORPHISMS IN THE ANGIOTENSINOGEN GENE: M235T AND T174M
L.M. Procopciuc, GH. Jebeleanu
UMF Iuliu Hatieganu Cluj, Romania

220. M235T AND T174M ANGIOTENSINOGEN GENE POLYMORPHISMS AND THE RISK OF ARTERIAL HYPERTENSION IN ROMANIAN PATIENTS WITH DIABETES MELLITUS
L.M. Procopciuc, C. Cudrici, I. Olteanu, GH. Jebeleanu
UMF Iuliu Hatieganu Cluj, Romania
RENAL ASPECTS
Poster Session 54
Wednesday, June 16
Hall Maillot - Level 2
12.30 / 15.30

Chairpersons:
H. Haller (Hannover, Germany)
A. Januszewicz (Warsaw, Poland)

221. VASOPRESSIN MODULATES BLOOD PRESSURE LEVEL THROUGH V2 RECEPTOR-MEDIATED EFFECTS ON THE EPITHELIAL SODIUM CHANNEL
S. Fernandes, L. Bankir, N. Bouby
INSERM U 367, Paris, France

222. RELATIONSHIP BETWEEN SERUM HOMOCYSTEINE CONCENTRATIONS AND PARAOXONASE ACTIVITY, POLYMORPHISM IN HEMODIALYSED AND TRANSPLANTED PATIENTS
L. Locsey, I. Seres*, A. Dan**, L. Asztalos***, B. Borbas, G. Paragh*

223. IMPACT OF OBSTRUCTIVE SLEEP APNEA ON RENAL FUNCTION IN PATIENTS WITH AND WITHOUT HYPERTENSION
NJ. Buchner, BF. Henning, IA. Quack, LC. Rump
Department of Internal Medicine, Nephrology, Ruhr-University Bochum, Marienhospital Herne, Herne, Germany

224. THE CORRELATION OF PULSE PRESSURE WITH LEFT VENTRICULAR HYPERTROPHY IN Autosomal Dominant Polycystic Kidney Disease
A. Idrizi, M. Barbullushi, M. Gjata, M. Tase*, A. Koroshi
Service of Nephrology, UHC Mother Teresa, Tirana, Albania, *Service of Internal Medicine, UHC Mother Teresa, Tirana, Albania

225. PHARMACOKINETICS OF NAFTIDROFURYL IN PATIENTS WITH RENAL FAILURE
B. Legallicier, S. Barbier, M. Godin, J.P. Fillastre, T. Dupin*, P. Chretien*, L. Bolloni**
Department of Nephrology, Rouen University, France, *CEMAX, Rouen, France, **Merck Santé, Lyon, France

226. THE ECG CORNELL INDEX IS A PREDICTOR OF MICROALBUMINURIA IN A SAMPLE OF ADULT MALE POPULATION
A. Barbato, F. Galletti, L. D’Elia, G. De Simone, R. Iacone, O. Russo, A. Romano, P. Strazzullo
Department of Clinical & Experimental Medicine, Federico II, University of Naples, Naples, Italy

227. KIDNEY FUNCTION IN ESSENTIAL HYPERTENSIVE PATIENTS ACCORDING TO 10-YEARS OBSERVATION
T. Kostyrya, O. Korchinskaya, E. Svysshchenko, V. Radchenko
Institute of Cardiology, Kyiv, Ukraine

228. MARKERS OF OXIDATIVE STRESS IN BENIGN HYPERTENSIVE NEPHROSCLEROSIS
S. Radenkovic, M. Milojkovic*, N. Lecic**
Institute of Nephrology and Hemodialysis, Nis, Serbia and Montenegro, *Institute of Patophysiology, Medical Faculty of Nis, Nis, Serbia and Montenegro, **Military Hospital, Nis, Serbia and Montenegro

229. TAFI IN HYPERTENSIVE KIDNEY TRANSPLANT RECIPIENTS
J. Malyszko, J. Malyszko, Michal. Mysliwiec
Department Of Nephrology And Transplantology, Medical University, Bialystok, Poland
230. **BLUNTED RENAL DOPAMINERGIC ACTIVITY IN NEPHROTIC SYNDROME RAT MODELS**  
B. Sampaio-Maia, M. Rodrigues, P. Serrao, M. Pestana (*)  
*Institute of Pharmacology and Therapeutics, Faculty of Medicine, Porto, Portugal, **Dep. of Nephrology, Faculty of Medicine, Porto, Portugal*

231. **THE INFLUENCE OF ERYTHROPOIETIN ALFA ON LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WITH CHRONIC RENAL FAILURE (CRF)**  
M. Gjata, A. Idrizi, M. Tase (*), M. Barbullushi, A. Koroshi, S. Celiku  
*Service of Nephrology, UHC M. Teresa, Albania, **Service of Internal Medicine, UHC M. Teresa, Albania*

232. **RELATIONSHIP BETWEEN BLOOD PRESSURE COMPONENTS WITH MICROALBUMINURIA IN RESPECT WITH AGING. THE THREE AREAS STUDY IN GREECE (TAS-GR)**  
A. Tsakiris, D. Lagatouras, M. Doumas, G. Vyssoulis, E. Karpanou, N. Nearhou, P. Skoufas  
*Hypertension Outpatient Clinic, 1st Cardiologic Dpt, Hellenic Red Cross Hospital, Athens, Greece*

233. **BLOOD PRESSURE, SYSTEMIC HEMODYNAMICS AND RENAL DOPAMINERGIC ACTIVITY IN UNINEPHRECTOMIZED AND 3/4 NEPHRECTOMIZED RATS TWO AND TEN WEEKS AFTER THE SURGERY**  
M. Rodrigues, B. Sampaio-Maia, T. Henriques-Coelho (*), A. Leite-Moreira (*), M. Pestana (**,*)  
*Institute of Pharmacology and Therapeutics, Faculty of Medicine, Porto, Portugal, **Department of Physiology, Faculty of Medicine, Porto, Portugal, ***Department of Nephrology, Faculty of Medicine, Porto, Portugal*

234. **SERUM CREATINE IS AN INADEQUATE SCREENING TEST FOR DETECTION OF KIDNEY DISEASE HYPERTENSIVE PATIENTS**  
A. Riesgo, S. Tranche (*), M. Gorostidi (**), MA. Prieto (**), E. Hevia (****), R. Marín  
*Hypertension Unit. Hospital Central de Asturias, Spain, **Primary Health Center of El Cristo, Oviedo, Asturias, Spain, ****Primary Health Center of Vallobín-Concinos, Oviedo, Asturias, Spain*

235. **PROGRESSION OF CHRONIC RENAL FAILURE : ROLE OF HYPERTENSION**  
N. Ben Dhia, A. Letaief, K. Gaha, H. Skhiri, S. Aloui, CH. Chawki, A. Frih, S. Bouraoui, A. Achour, M. Elmay  
*Nephrology Department CHU Monastir, Tunisia*

236. **HIGH RENIN HYPERTENSION DUE TO COMPRESSION OF RENAL PARENCHYMA AS A CONSEQUENCE OF PERINEPHRIC OR SUBCAPSULAR HEMATOMA**  
M. Wanic-Kossowska, M. Kobelski, L. Koziol, P. Baczyk, S. Czekalski  
*Department of Nephrology, Poznan University of Medical Sciences, Poznan, Poland*
237. THE EFFECT OF ROSIGLITAZONE TREATMENT ON URINE ALBUMIN EXCRETION IN PATIENTS WITH HYPERTENSION AND TYPE 2 DIABETES
1st Department of Medicine, AHEPA University Hospital, Thessaloniki, Greece, *Department of Medicine, Malmo University Hospital, Malmo, Sweden, **Biochemical Laboratory, 2nd Department of Pediatrics, AHEPA University Hospital, Thessaloniki, Greece

238. THE INFLUENCE OF PULSE PRESSURE IN LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WITH CHRONIC RENAL FAILURE
Service of Internal Medicine, UHC Mother Teresa, Tirana, Albania, *Service of Nephrology, UHC Mother Teresa, Tirana, Albania

239. ARTERIAL HYPERTENSION AND BIOPSIED NEPHROPATHIES (a study of 1000 renal biopsies)
S. Mrabet, H. Skhiri, N. Ben Dhia, W. Sahtout, S. Aloui, S. Bouraoui, A. Frih, A. Achour, M. Elmay
Department of nephrology CHU Monastir, Tunisia

240. URINARY PROTEINS IN HYPERTENSIVE PATIENTS
T. Fujimoto, M. Machida, A. Nomura
Dept Phathophysiology, Hokkaido College of Pharmacy, Otaru, Japan

241. CLINICAL COURSE OF ARTERIAL PRESSURE DURING TREATMENT WITH ERYTHROPOIETIN
M. Barbullushi, A. Idrizi, M. Gjata, A. Koroshi, S. Celiku
Service of Nephrology, University Hospital Centre Mother Teresa, Tirana, Albania

242. PREVALENCE AND INCIDENCE OF URINARY SEDIMENT ALTERATIONS IN HYPERTENSIVE PATIENTS
Hypertension Unit, Hospital Universitario 12 de Octubre, Madrid, Spain

243. HYPERURICEMIA - A MARKER OF HYPERTENSIVE NEPHROSCLEROSIS IN ESSENTIAL HYPERTENSION?
R. Krishnan, Tp. Naushad, N. Biju
Department of Nephrology, Medical College Hospital, Calicut, Kerala, India

244. PREDICTIVE FACTORS OF ABNORMAL CIRCADIAN BLOOD PRESSURE PROFILE IN RENAL TRANSPLANTATION
Dept of Internal medicine, Nephrology, Fundeni Institute, Bucharest, Romania

245. BENEFIT EVALUATION IN MICROPROTEINURIA AND RENAL FUNCTION USING A NOVEL ACE-INHIBITOR IMIDAPRIL IN THE TREATMENT OF ELDERLY HYPERTENSIVES WITH DIABETES MELLITUS
A. Hatzitolios, CH. Savopoulos, M. Apostolopoulou, CH. Delivoria, D. Tsambazis, G. Spiroulias, D. Kalabalika, G. Ziakas
1st Medical Propedeutic Dept, AHEPA Hospital, Aristotle University, Thessaloniki, Greece
246. EFFECTS OF THE ANGIOTENSIN II ANTAGONIST TELMISARTAN ON BLOOD PRESSURE AND PROTEINURIA IN PATIENTS WITH CHRONIC RENAL FAILURE
L. Máthé, E. Bán*, A. Serester**, A. Brassai***
UMPh, IVth Medical Hospital, Tg-Mures, Romania, *UMPh, Tg-Mures, Romania, **County Hospital, Baraolt, Romania, ***UMPh, Tg-Mures, Romania

247. EFFECT IN URINE FLOW AND RENAL SODIUM EXCRETION BY CLONIDINE IN SPONTANEOUS HYPERTENSIVE RATS
E. Moura, R. Alves, B. Maia, M. Serrão, M. Vieira-Coelho
Institute of Pharmacology & Therapeutics, Faculty of Medicine, University of Porto, Portugal

248. RENOPROTECTION WITH AN ACE INHIBITOR-FOSINOPRIL IN CHRONIC RENAL FAILURE: EFFECTS BEYOND LOWERING BLOOD PRESSURE
C. Ionescu, M. Voiculescu, G. Ismail, A. Tutea, O. Iliescu, M. Rosu, E. Ciobanu
Dept. of Internal Medicine-Nephrology, Fundeni Institute, Bucharest, Romania

249. CIRCADIAN BLOOD PRESSURE VARIATIONS IN PATIENTS WITH CHRONIC RENAL FAILURE
C. Ionescu, M. Voiculescu, G. Ismail, O. Iliescu, M. Rosu, E. Galice, G. Anton, S. Marin, M. Lixandru
Dept. of Internal Medicine-Nephrology, Fundeni Institute, Bucharest, Romania

250. THE INFLUENCE OF ERYTHROPOIETIN TREATMENT ON THE BLOOD PRESSURE AND LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WITH CHRONIC RENAL FAILURE AFTER RENAL TRANSPLANTATION
M. Vretenarska, E. Paskalev, N. Stojanova, P. Simeonov
Clinic of Nephrology, Clinic of Cardiology, Medical University, Sofia, Bulgaria

251. ARTERIAL HYPERTENSION AND CHRONIC RENAL FAILURE IN ELDERLY
N. Ben Dhia, S. Ezzine, K. Gaha, H. Skhiri, S. Aloui, M. Abbes, A. Frih, S. Bouraoui, A. Achour, M. Elmay
Nephrology Department CHU Monastir, Tunisia
Diabetes and Obesity

Wednesday, June 16
Hall Maillot - Level 2
12.30 / 15.30

Chairpersons:
C. Ferri (L’Aquila, Italy)
B. Hansson (Halmstad, Sweden)

252. LOSARTAN AMELIORATES RENAL MITOCHONDRIAL FUNCTION IN STREPTOZOTOCIN-INDUCED DIABETES
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*Laboratory Of Experimental Medicine, Department Of Internal Medicine, Hospital Aleman, Buenos Aires, Argentina, **Institute Of Cardiovascular Research, Buenos Aires, Argentina

253. DIET-INDUCED INSULIN RESISTANCE IS ASSOCIATED WITH DISSOCIATION OF THE METABOLIC AND SYMPATHETIC EFFECTS OF LEPTIN
K. Rahmouni, DA. Morgan, GM. Morgan, AL. Mark, WG. Haynes
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254. RELATIONSHIP BETWEEN MORNING RISE BLOOD PRESSURE AND ARTERIAL DISTENSIBILITY IN TYPE 2 DIABETIC AND NON DIABETIC HYPERTENSIVE PATIENTS
Egas Moniz Hospital, Portugal

255. RESTING MIDWALL SHORTENING AND DOBUTAMINE-STRESS STRAIN DETECT ALTERATION OF MYOCARDIAL INOTROPIC STATE IN TYPE II DIABETES MELLITUS
M. Galderisi, G. de Simone, A. Rivellese, B. Capaldo, O. Vaccaro, A. D’Errico, P. Innelli, G. Riccardi, O. de Divitiis
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256. THE ETA-SELECTIVE ANTAGONIST SPP301 REDUCES PROTEINURIA IN PATIENTS WITH DIABETIC NEPHROPATHY ON TOP OF HIGH-DOSE AT1 RECEPTOR BLOCKADE (ARB)
C. Jürgens, J. Mann*, I. Yildirim*, H. Bruck, R. Schäfers, T. Philipp, R. Wenzel
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257. PREVALENCE AND CLINICAL CLUES OF TYPE 2 DIABETES AMONG HYPERTENSIVE PATIENTS. RESULTS OF THE IPERDIA STUDY
A. Morganti, G. Mancia*, F. Paleari*, M. Muggeo**, A. Tiengo**
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258. INCREASED EXPRESSION OF NITRIC OXIDE SYNTHASES IN HUMAN TYPE 2 DIABETIC NEPHROPATHY CORRELATES WITH CLINICAL RISK FACTORS OF DISEASE PROGRESSION
B. Hohenstein, C. Hugo, B. hausknecht, K. Boehmer, R. Riess*, R. Schmieder
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259. TRIMETAZIDINE AND ACE INHIBITORS THERAPY IN HYPERTENSIVE DIABETIC PATIENTS: INFLUENCE ON MYOCARDIAL PERFUSION RESERVE
O.A. Koshelskaya, V.I. Tchernov, A.V. Panafidin, R.S. Karpov
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260. ROSIGLITAZONE TREATMENT LOWERS BLOOD PRESSURE AND INSULIN RESISTANCE IN PATIENTS WITH HYPERTENSION AND TYPE 2 DIABETES MELLITUS
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261. THE EFFECTS OF OMAPATRILAT ON THE COHEN-ROSENTHAL DIABETIC HYPERTENSIVE RAT
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262. LOSARTAN LOW URINARY LEVELS OF TRANSFORMING GROWTH FACTOR-BETA1 AND ENDOTHELIN-1 IN DIABETIC PATIENTS WITH MICROPROTEINURIA
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263. EFFECT OF AMLODIPINE-ATORVASTAT IN COMBINATION ON FIBRINOLYSIS IN HYPERTENSIVE HYPERCHOLESTEROLEMIC INSULIN-RESISTENT PATIENTS
R. Fogari, G. Derosa, E. Malacoo*, L. Ciccarelli, A. Rinaldi, M. Ghelfi, I. Ferrari
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264. BLOOD PRESSURE AND THE PREVALENCE OF HYPERTENSION RELATIVE TO BODY MASS INDEX IN A COHORT OF ACTIVE SUBJECTS (IHPAF STUDY)
J.M. Mallion, L. Hamici, G. Chatellier, T. Lang, P.F. Plouin, R. De Gaudemaris
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265. ELEVATED AMBULATORY PULSE PRESSURE IN HYPERTENSIVE PATIENTS WITH TYPE 2 DIABETES MELLITUS
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266. EFFECT OF BENAZEPRIL AMLODIPINE COMBINATION ON LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVE TYPE 2 DIABETIC PATIENTS
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267. IS THERE AN ASSOCIATION BETWEEN BLOOD PRESSURE VARIABILITY AND TARGET ORGAN DAMAGE IN DIABETIC AND NON-DIABETIC HYPERTENSIVE PATIENTS?
Egas Moniz Hospital, Portugal

268. METABOLIC SYNDROME IN PATIENTS WITH HYPERTENSION AND HYPOTHYROIDISM
V.Y. Romanov, O.I. Mitchenko, A.A. Logvinenko
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269. ANGIOTENSIN II SUPPRESSED BOTH INSULIN AND GLUCAGON SECRETIONS IN PANCREATIC BETA CELL LINE MIN6
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270. ANGIOTENSIN II SUPPRESSED BOTH INSULIN AND GLUCAGON SECRETIONS IN PANCREATIC BETA CELL LINE MIN6
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271. EFFECTS OF DOXAZOSIN ON AMBULATORY BLOOD PRESSURE AND SYMPATHETIC NERVOUS ACTIVITY IN HYPERTENSIVE PATIENTS WITH DIABETIC NEPHROPATHY
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272. MALNUTRITIONAL FOLLOW-UP STUDY AND ASSESSMENT IN HAEMODIALYSIS PATIENT
L. Locsey, B. Szlanka, A. Dan*, I. Menes, B. Borbas
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273. METABOLIC SYNDROME AND INSULIN RESISTANCE IN NEWLY DIAGNOSED HYPERTENSIVES, TREATED HYPERTENSIVES AND NORMOTENSIVES
N. Martell, J. Mateo, C. Fernandez, A. Fernandez-Cruz, M. Luque-Otero
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274. ROLE OF ARTERIAL HYPERTENSION IN THE DEVELOPMENT OF GLOBAL RISK OF METABOLIC SYNDROME
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275. DIFFERENT PATTERNS OF DAILY HEMODYNAMICS AND BRACHIAL ARTERY DISTENSIBILITY IN OBESE AND NON-OBESE HYPERTENSIVES WITH AND WITHOUT METABOLIC DISORDERS
S.G. Schumann, S.A. Golubev, M.N. Mily
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276. THE EFFECT OF MODEST WEIGHT LOSS ON ARTERIAL BLOOD PRESSURE AND METABOLIC PARAMETERS IN OBESE SUBJECTS
EK. Shavarova, EA. Nikitina, AO. Conrady
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277. CYTOKINE ACTIVITY IN HYPERTENSION ASSOCIATED WITH INSULIN INDEPENDENT DIABETES MELLITUS
D. Yakhontov, E. Khilchenko, D. Tsyrendarzhiev
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278. IMPROVEMENT OF CARDIOVASCULAR RISK FACTORS BY MODIFIED TREATMENT IN PATIENTS WITH METABOLIC SYNDROME
D.A. Napalkov, V.I. Podzolkov
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279. MOXONIDIN MONOTHERAPY IN PATIENTS WITH MILD ARTERIAL HYPERTENSION AND METABOLIC SYNDROME: INFLUENCE ON BLOOD PRESSURE, GLUCOSE AND LIPIDS METABOLISM
K. Mamyrbaeva, V. Mychka, R. Bogieva, V. Masenko*, I. Chazova
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280. BLOOD PRESSURE AND METABOLIC PROFILES IN INSULIN-RESISTANT PATIENTS
K. Khiai, L. Cherif, I. Hadj Ali, N. Ben Abdallah, H. Ben Maiz
Hôpital Charles Nicolle, Tunis, Tunisia

281. RELATIONSHIP BETWEEN LEFT VENTRICULAR HYPERTROPHY DETECTED BY ELECTROCARDIOGRAPHY AND ECHOCARDIOGRAPHIC IN THE OBESE HYPERTENSIVE PATIENTS
C. Calin, A. Caltea, C. Sinescu
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282. **INFLUENCE OF ATORVASTATIN TREATMENT ON INSULINRESISTANCE IN PATIENTS WITH METABOLIC SYNDROME**
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283. **ORLISTAT IMPROVES BLOOD PRESSURE CONTROL IN OBESE ESSENTIAL HYPERTENSIVE SUBJECTS: A WEIGHT-LOSS INDEPENDENT EFFECT**
C. Tsioufis, V. Katsi, K. Dimitriadis, N. Mamalis, E. Tsiamis, I. Kallikazaros, C. Stefanadis
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284. **SEXUAL FEATURES OF THE METABOLIC SYNDROME**
O.I. Mitchenko, V.J. Romanov, T.V. Byelyaeva, I.V. Chulayevska
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285. **THE PERIMENOPAUSAL METABOLIC SYNDROME: RESULT OF OESTROGEN DEFICIENCY ?**
G.Y. Ilyushina, O.I. Mitchenko, V.Y. Romanov, T.V. Byelyaeva
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286. **MICROCIRCULATORY DISORDERS AND CARDIAC REMODELLING IN HYPERTENSIVES WITH NORMAL BODY MASS AND ABDOMINAL OBESITY**
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287. **INFLUENCE OF PHYSICAL ACTIVITY LEVEL ON PULSE PRESSURE OF ARTERIAL HYPERTENSION PATIENTS OLDER THAN 75 Y.O.**
S. Shahvorostova, N. Shinkarenko, N. Gadelshina, O. Belichenko
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288. **FATAL COMPLICATIONS IN PATIENTS WITH HYPERTENSIVE HEART DISEASE: 12 YEARS OF FOLLOW-UP IN THE OUTPATIENT DEPARTMENT**
T.V. Fofanova, A.P. Yurenev
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289. **SALT INTAKE AND OTHER LIFESTYLE FACTORS IN JAPANESE HYPERTENSIVE PATIENTS**
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290. **ANTIREMODELING EFFICIENCY OF ENALAPRIL IN PATIENTS WITH ESSENTIAL HYPERTENSION WITH ACCOUNT I/D POLYMORPHISM OF ACE -GENE**
G.J. Abdullaeva, M.R. Eliseyeva, F.A. Zakirova, B.S.H. Adilov*
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291. **ANTICOAGULANT EFFECT OF LACIPIL IN HYPERTENSIVE PATIENTS WITH HYPERLIPIDEMIA**
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292. **EXERCISE TEST CHARACTERISTICS IN SUBJECTS WITH HIGH BLOOD PRESSURE RESPONSE DURING EXERCISE**
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293. **THE INFLUENCE OF SHORT-TERM ANTIHYPTERTENSIVE THERAPY WITH FOSINOPRIL VERSUS INDAPAMIDE ON LEFT VENTRICULAR DIASTOLIC DYSFUNCTION AND PLASMA CATECHOLAMINES, IMMUNOREACTIVE INSULIN IN HYPERTENSIVE PATIENTS**
O. Matova, E.P. Svyschenko, L.A. Mishchenko, V.A. Filin
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294. **INDAPAMIDE IN HYPERTENSIVE WOMEN AFTER HYSTERECTOMY WITH OVARIAN CONSERVATION**
V.I. Podzolkov, U.V. Khomitskaya, L.G. Mozharova
I. M. Sechenov Moscow Medical Academy, Moscow, Russia

295. **PLASMA CREATININE OR CREATININE CLEARANCE TO ESTIMATE RENAL FUNCTION IN HYPERTENSIVE PATIENTS?**
N. Jabary, D. Martin, MF. Munoz*, M. Santos, J. Herruzo, R. Gordillo, J. Bustamante
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296. NO-SYNTHASE GENE POLYMORPHISM AND ANTIREMODELING EFFICIENCY OF NEBIVOLOL IN PATIENTS WITH ESSENTIAL HYPERTENSION
M.R. Eliseyeva, I.A. Karimova, G.Z. Abdullaeva, B.SH. Karimova
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297. RESISTANT HYPERTENSION, ALDOSTERONE TO RENINE RATIO >30 AND ADRENAL TOMOGRAPHY. IS THERE ANY SIGNIFICANT RELATION?
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298. SENSITIVITY AND POSITIVE PREDICTIVE VALUE OF EXERCISE ELECTROCARDIOGRAPHY IN HYPERTENSIVE AND NORMOTENSIVE CHEST PAIN PATIENTS
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299. ARTERIAL HYPERTENSION AND CONCOMITANT DEPRESSION
E. Philippova, T. Nechesova*
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300. THE SHARED COMPUTERIZED MEDICAL FILE OF HYPERTENSION OF THE NETWORK HTA6GWAD: AN IMPROVEMENT IN MANAGING HYPERTENSION
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301. DETAILED ANALYSIS OF CLINICAL STATE IN YOUNG PATIENTS WITH JUVENILE HYPERTENSION
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302. VENTRICULAR LATE POTENTIALS AND LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVE SURVIVORS OF VENTRICULAR FIBRILLATION AFTER ACUTE MYOCARDIAL INFARCTION
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303. GENERAL PRACTITIONERS EXPERIENCE OF USING TELMISARTAN IN PATIENTS WITH ARTERIAL HYPERTENSION (RESULTS OF OPEN MULTICENTRAL STUDY IN UKRAINE)
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304. FACTORS INFLUENCING THE BLOOD PRESSURE VARIABILITY
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305. WHAT WAS THE PATIENTS’ LIFESTYLE BEFORE THE HOSPITALIZATION IN A CARDIOVASCULAR DEPARTMENT?
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306. ECHOCARDIOGRAPHIC PARAMETERS IN PATIENTS FAMILIAL AND NON-FAMILIAL ARTERIAL HYPERTENSION DURING ENALAPRIL TREATMENT
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307. HIGH TARGET ORGAN DAMAGE IN NON-CONTROLLED ESSENTIAL HYPERTENSIVE PATIENTS  
N. Martell, Y.A. Hessein, M.D. Lopez Eady, M. Avila, M. Luque  
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308. INFLUENCE OF VARIOUS TREATMENT VARIANTS TO CLINICAL TERM AND SHORT TERM PROGNOSIS IN PATIENTS WITH ARTERIAL HYPERTENSION WITH CEREBROVASCULAR DISORDERS  
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309. CHILDREN ARE CERTAIN AT RISK OF DEVELOPING HYPERTENSION  
F. Moezzi, H. Babaei, S. Kavandi*, F. Eskandari  
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310. THE EFFECT OF PRITOR ON IMMUNE RESPONSE AND PLATELET AGGREGATION IN ESSENTIAL HYPERTENSION  
I.G. Alizade, N.T. Aliyeva-Karayev  
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311. HIGH BLOOD PRESSURE IN AN EMERGENCY DEPARTMENT  
S. Kooli, N. Hafsi, N. Laamouri, S. Souissi, W. Trad, B. Bouhajja  
Ben Arous Hospital, Tunisia
312. COMPARISON OF CLINICAL SAFETY PROFILE BETWEEN VALSARTAN 80 MG AND 160 MG IN HIGH RISK HYPERTENSIVE PATIENTS FOLLOWED BY GENERAL PRACTITIONERS
X. Girerd, C. Yau*, B. Fiquet*, M. Piallat*, S. Monrepos*
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313. ASSESSMENT OF THE BULGARIAN GENERAL PRACTITIONERS’ CHOICE OF ANTIHYPERTENSIVE THERAPY ACCORDING TO THE PERCENTAGE OF THE TREATED HEART DISEASED PATIENTS
N. Gotcheva, B. Georgiev, IL. Tomov, D. Gotchev*, N. Penkov**
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314. BENEFICIAL EFFECTS OF COMBINATION THERAPY CILAZAPRIL / HYDROCHLOROTHIAZIDE ON INSULIN SENSITIVITY IN ESSENTIAL HYPERTENSION
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315. DOPAMINE DOES NOT IMPAIR VENTILATION IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE
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316. THE MODULATION OF FIBRINOGEN LEVELS BY GEMFIBROZIL IN HYPERTENSIVES WITH PRIMARY HYPERLIPIDAEMIA
I. Litsas, V. Karagkiozaki*, E. Kougkouliou, K. Katsis, I. Koukoutsis*, A. Pittaouli, O. Koutsogiannis*, L. Borghi*
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317. TREATMENT OF ARTERIAL HYPERTENSION FOR PATIENTS WITH SYSTEM SCLERODERMA
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318. DRUG CHOICE OF ACE-INHIBITORS BY THE BULGARIAN GENERAL PRACTITIONERS IN THEIR EVERY DAY PRACTICE
B. Georgiev, N. Gotcheva, IL. Tomov, D. Gotchev*, N. Penkov**
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319. INFLUENCE OF CARBAMAZEPINE TO CONTROL OF HYPERTENSION - CASE REPORT
M. Grundmann, I. Kacirova, H. Brozmanova
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320. **PULSE PRESSURE IS EFFECTIVELY REDUCED BY TORASEMIDE**  
B. Zegenhagen-Phiong, A. Lichtenthal, C. Milbredt, A. Marx, S. Tegeler, R. Agrawal  
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321. **HYPTENSION TREATMENT AT HOSPITAL DISCHARGE**  
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322. **EFFECT OF QUINAPRIL, LISINOPRIL, NEBIVOLOL ON BLOOD PRESSURE AND PROTEINS EXCRETION RATE IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
YN. Eremina, MV. Leonova, YB. Belousov  
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323. **THE EFFECT OF BASELINE PHYSICAL ACTIVITY ON CARDIOVASCULAR OUTCOMES IN PATIENTS TREATED FOR HYPERTENSION AND LEFT VENTRICULAR HYPERTROPHY**  
E. Fossum, G.W. Gleim, S.E. Kjeldsen, S. Julius, R.B. Devereux, W.E. Brady, B. Dahlöf  
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324. **INITIAL COMBINATION THERAPY WITH OLMESARTAN/HYDROCHLOROTHIAZIDE SHOWS SUPERIOR BLOOD PRESSURE CONTROL RATE IN MODERATE TO SEVERE HYPERTENSION**  
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325. **PHEOCHROMOCYTOMA OF UNUSUAL CLINICAL COURSE - CASE REPORT OF A PATIENT WITH PHEOCHROMOCYTOMA COMPLICATED BY CARDIAC ARRESTS AND AV BLOCK**  
K. Paschalis-Purtak, B. Puclowska, A. Prejblisz, A. Januszewicz  
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326. **EFFECTS OF MORNING VERSUS EVENING ADMINISTRATION OF VALSARTAN ON AMBULATORY BLOOD PRESSURE IN ELDERLY HYPERTENSIVE PATIENTS**  
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327. **THE EFFICACY OF ANTIHYPERTENSIVE AND HORMONE REPLACEMENT THERAPY IN POSTMENOPAUSAL WOMEN WITH ESSENTIAL HYPERTENSION**  
E.I. Baranova, O.O. Bolshakova, A.A. Katsap, O.S. Manikhas, M.A. Repina*, Y.A. Kornilova*  
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328. **THE VERY-LOW-DOSE COMBINATION OF PERINDOPRIL/INDAPAMIDE HAS GREATER ANTIHYPERTENSIVE EFFICACY THAN LOSARTAN WITH A SIMILARLY WELL-TOLERATED ADVERSE EFFECT PROFILE**  
C.H. Hsia, Y.D. Su  
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329. **ABSOLUTE CEREBRAL AND CARDIAC RISK MAY INFLUENCE THE BLOOD-PRESSURE (BP) INDEPENDENT STROKE RELATIVE RISK. A HYPOTHESIS RAISED BY HOPE AND EUROPA TRIAL CONFLICTING STROKE RESULTS**  
A. Fournier, F. Boutitie*, Jm. Acharb**, M. Peltier***, F. Gueyffier*  
Nephrology Department CHU Amiens, France, *Statistic and Pharmacology Department Lyon Hospices, France, **Physiology Department CHU Limoges, France, ***Cardiology Department CHU Amiens, France

330. **EFFECTS OF 160 MG/DAY VALSARTAN ON THE CIRCADIAN BLOOD PRESSURE PROFILE OF PATIENTS WITH GRADE 1-2 ESSENTIAL HYPERTENSION**  
Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain, *Hypertension and Vascular Risk Unit, Hospital Clinico Universitario, Santiago, Spain
331. DOXAZOSIN GASTROINTESTINAL THERAPEUTIC SYSTEM AS COMBINATION THERAPY IN HYPERTENSIVE PATIENTS: AN EFFICACY AND SAFETY STUDY

332. ANTIHYPERTENSIVE EFFICACY OF INDAPAMIDE SR VS CANDESARTAN AND AMLODIPINE IN HYPERTENSIVE PATIENTS: THE X-CELLENT MAIN STUDY
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333. BETTER EFFICACY IN HYPERTENSION MANAGEMENT WITH PERINDOPRIL / INDAPAMIDE (PER/IND) STRATEGY COMPARED TO SEQUENTIAL OR STEP BY STEP STRATEGIES. STRATHE STUDY: STRATEGIES OF TREATMENT IN HYPERTENSION: EVALUATION
M. Andréjak, F. Zannad, M. Laville, G. Duru, JJ. Mourad, B. Waeber, on behalf of the STRATHE Investigators
Service de Pharmacologie clinique CHU Sud, Amiens, France

334. VALSARTAN VERSUS LISISOPRIL FOR THE TREATMENT OF HYPERTENSION: THE BLOOD PRESSURE REDUCTION AND TOLERABILITY OF VALSARTAN IN COMPARISON WITH LISISOPRIL (PREVAIL) STUDY
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335. INFLUENCE OF THE LOSARTAN AND AMLODIPINE ON THE LEFT VENTRICULAR REMODELLING AND RENAL FUNCTION IN ESSENTIAL HYPERTENSION
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336. THE CHANCE STUDY (EFFICACY AND SAFETY OF CANDESARTAN CILEXETIL IN THE UNCONTROLLED HYPERTENSIVE ELDERLY POPULATION AFTER 8 WEEKS OF TREATMENT): PRELIMINARY ANALYSIS
R. Asmar, S. Nisse-Durgeon*, and the French Collaborative Group
ICV, Paris - France, *Laboratoires Takeda, Puteaux - France
337. ADMINISTRATION TIME-DEPENDENT EFFECTS ON AMBULATORY BLOOD PRESSURE OF DOXAZOSIN GITS AS ADDED THERAPY IN UNCONTROLLED HYPERTENSIVE PATIENTS
Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain, *Hypertension and Vascular Risk Unit, Hospital Clínico Universitario, Santiago, Spain

338. PREDICTIVE VALUE OF RISK FACTORS AND HEART RATE VARIABILITY FOR THE DEVELOPMENT OF ARTERIAL HYPERTENSION
V.P. Podpalov, A.D. Deev*, V.P. Sivakov, V.N. Zhurava
Vitebsk State Medical University, Vitebsk, Republic of Belarus, *National Research Center for Preventive Medicine, Moscow, Russia

339. DIABETES AS RISK FACTOR IN HYPERTENSIVE PATIENTS WITH MICROALBUMINURIA
O. Velasco, F. De Alvaro*, J. Honorato**, C. Calvo***, I. Parrondo
Scientific Department Bristol-Myers-Squibb, Madrid, Spain, *Nephrology Department. Hospital La Paz, Madrid, Spain, **Clinical Pharmacology Department, Navarra University Clinic, Pamplona, Spain, ***Hypertension and Vascular Risk Unit. Hospital Clínico Universitario, Santiago de Compostela, Spain

340. EFFECTS OF NEBIVOLOL MONOTHERAPY ON AMBULATORY BLOOD PRESSURE IN PATIENTS WITH GRADE 1-2 ESSENTIAL HYPERTENSION
Hypertension and Vascular Risk Unit, Hospital Clínico Universitario, Santiago, Spain, *Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain

341. EVALUATION OF RESISTANT HYPERTENSION IN A SPECIALIZED DEPARTMENT
B. Vaisse, J. Celerier, K. Bouchlaghem, F. Silhol
Department of Cardiology, CHU Timone, Marseille, France

342. INTERRELATION OF BLOOD VISCOSITY AND LIPID METABOLISM IN PATIENTS WITH ARTERIAL HYPERTENSION

343. EFFICACY AND SAFETY OF RILMENIDINE VERSUS ENALAPRIL IN HYPERTENSIVE PATIENTS
S. Moisseyev, V. Fomin, N. Mukhin
Clinic of Nephrology, Internal & Occupational Diseases, Moscow Medical Academy, Moscow, Russia
344. EFFECT OF HCTZ 25 MG IN COMBINATION WITH VALSARTAN 160 MG IN PATIENTS UNCONTROLLED WITH ARBs AND HCTZ 12,5 MG
1st Clinical endocrinology and metabolism, Hospital La Pitié-Salpêtrière, Paris, France, *Hospital La Providence Gardiner, Dinar, France, **Clinical Research and Development, Novartis Pharma S.A.S., Rueil-Malmaison, France, ***Service de nephrologie, Hospital Civil, Strasbourg, France, ****Centre de prevention des maladies cardiovasculaires, CHU Poitiers, Poitiers, France

345. MULTICENTER RANDOMIZED OPEN-LABELLED STUDY OF EFFICACY OF LIFESTYLE CHANGE AND ACE-INHIBITOR (QUINAPRIL) THERAPY IN PATIENTS WITH OBESITY AND ARTERIAL HYPERTENSION (ECO)
Y. Belenkov, V. Mychka, I. Chazova
Cardiology Research Complex, Moscow, Russia

346. HYPERTENSION IN DIABETIC WOMEN. DIFFERENCES AT CARDIOVASCULAR RISK. DEMOGRAPHIC ANALYSIS OF DIABETIC POPULATION INCLUDED IN KORAL HTA STUDY
O. Velasco, J. Honorato*, F. De Alvaro**, C. Calvo***, I. Parrondo
Scientific Department Bristol-Myers-Squibb, Madrid, Spain, *Clinical Pharmacology Department. Navarra University Clinic, Pamplona, Spain, **Nephrology Department, Hospital La Paz, Madrid, Spain, ***Hypertension and Vascular Risk Unit, Hospital Clinico Universitario, Santiago de Compostela, Spain

347. EFFECT OF TWO INTERVENTIONS ON THERAPEUTIC COMPLIANCE IN HYPERTENSION
V. Gil, J. Merino*, D. Orozco, J. Abellan, J. L. Listerri, A. Navaro**
Cathedra of Family Medicine. Universidad Miguel Hernández de Elche (Alicante), Spain, *Cathedra of Internal Medicine. Universidad Miguel Hernández de Elche (Alicante), Spain, **Departamento Médico RECORDATI ESPAÑA, Spain

348. EFFECTS OF VALSALVA MANEUVER ON QT DISPERSION IN HYPERTENSIVE PATIENTS
Cardiology Department, Catholic University of Korea, Seoul, South Korea

349. ANTIHYPERTENSIVE EFFICACY AND TOLERABILITY OF TELMISARTAN IN THE GENERAL MEDICAL PRACTICE: THE MICARDSIS STUDY
L. Matos
Cardiology Outpatient Clinic, Szt. János Hospital, Budapest, Hungary, for the MICARDSIS Study Investigators

350. EFFECT OF THE PERINDOPRIL AND PERINDOPRIL/INDAPAMID ON THE LEFT VENTRICULAR MASS AND REMODELING IN ESSENTIAL HYPERTENSION
V.V. Dmitriev, L.G. Ratova, D.M. Ataulakhanova, I.E. Chazova
Cardiology research complex, Moscow, Russian Federation

351. CLINICAL ASSESSMENT OF THREE PHYTOMEDICINES ON THE TREATMENT OF ESSENTIAL HYPERTENSION
Department of Pharmacy, University of Conakry, Conakry, Guinea, *Research and Valorisation Center on Medicinal Plants, Dubreka, Guinea, **National Hospital of Donka, Conakry, Guinea

352. EFFICACY AND SAFETY OF LERCANIDIPINE ARE NOT AGE-DEPENDENT. AGATE STUDY
P. Poncelet, P. Clerson*, J. Ribstein**, M. Bassous***, C. Scart Gres****
CHU Lille, France, *Orgamétrie Wasquehal, France, **CHU Montpellier, France, ***Laboratoires Bouchara-Recordati Levallois Perret. France

353. EFFECT OF THE LOSARTAN MONOTHERAPY AND LOSARTAN COMBINED WITH HYDROCHLOROTHIAZIDE ON THE LEFT VENTRICULAR MASS AND REMODELING IN ESSENTIAL HYPERTENSION
L.G. Ratova, I.E. Chazova, D.M. Ataulakhanova, V.V. Dmitriev, I.P. Kolos
Cardiology research complex, Moscow, Russia
354. **THE EFFICACY OF QUINAPRIL TREATMENT IN PATIENTS WITH OBESITY AND ARTERIAL HYPERTENSION (ECO-TRIAL)**  
I. Chazova, V. Mychka, Y. Belenkov  
Cardiology Research Complex, Moscow, Russia

355. **THE EFFECT OF SIMBASTATIN ON C-REACTIVE PROTEIN IN DYSLIPIDEMIC HYPERTENSIVES WITH OR WITHOUT CORONARY ARTERY DISEASE**  
V. Karagkiozaki, L. Borghi, I. Koukoutsis, M. Passalidou, I. Litsas, S. Terzi, A. Gotsis, T. Tsaraktsidou, O. Koutsogiannis  
Hypertensive Department, Health Centre of Iasmos, Rodopi, Greece

356. **TRANDOLAPRIL, BUT NOT AMLODIPINE, IMPROVES CARDIOVASCULAR STRUCTURAL CHANGES IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
Department of Internal Medicine, Enshu General Hospital, Hamamatsu, Japan, *Department of Internal Medicine, Nagoya City Jouhoku Municipal Hospital, Nagoya, Japan, **Internal Medicine and Molecular Science, Graduate School of Medical Sciences, Nagoya City University, Nagoya, Japan

357. **INFLUENCE OF THE LOSARTAN MONOTHERAPY AND LOSARTAN COMBINED WITH HYDROCHLOROTHIAZIDE ON 24-H BLOOD PRESSURE PROFILE IN PATIENTS WITH ESSENTIAL HYPERTENSION**  
I.E. Chazova, L.G. Ratova, V.V. Dmitriev  
Cardiology research complex, Moscow, Russia

358. **VALSARTAN 160/ HCTZ 25 EFFECTIVELY REDUCES BLOOD PRESSURE IN HYPERTENSIVE PATIENTS NOT CONTROLLED BY VALSARTAN 160/ HCTZ 12.5**  
P. Trenkwaldter, Hj. Ulmer*, H. Wolf**, R. Handrock**  
Klinikum Starnberg, Germany, *Ludwigsburg, Germany, **Novartis Pharma GmbH, Nuernberg, Germany

359. **AGE SHOULD BE CONSIDER AS A KEY INDICATOR FOR TREATMENT SELECTION IN HYPERTENSIVE WOMEN. THE SAPPIENS STUDY**  
S. Sanchez-Ortega, C. Garcia-Gutierrez*  
Hospital Angeles del Carmen, Guadalajara, Jalisco, México, *Bayer HealthCare México. México City, Mexico
360. ARTERIAL HYPERTENSION AND ASSOCIATED DISEASES IN AN AGRICULTURAL GREEK POPULATION
I. Vagropoulos, M. Giavropoulou, A. Romanidou
Hypertension Unit, 1st Medical Dept., Serres General Hospital, Serres, Greece

361. RISK FACTORS OF ARTERIAL HYPERTENSION IN THE POPULATION LIVING IN THE RADIONUCLIDE
CONTAMINATED TERRITORY
V.P. Podpalov, A.D. Deev*, A.I. Stchastlivenko
Vitebsk State Medical University, Vitebsk, Belarus, *National Research Center for Preventive Medicine,
Moscow, Russia

362. ABNORMAL CHOLESTEROL LEVELS IN PATIENTS WITH ESSENTIAL HYPERTENSION. FREQUENCY AND SEX
RELATION
A. Tsakiris, M. Doumas, N. Nearhou, V. Nikolaou, C. Kouremenou, P. Skoufas
Hypertension Outpatient Clinic, 1st Cardiologic Dpt, Hellenic Red Cross Hospital, Athens, Greece

363. HYPERTENSION CARE AND SOCIOECONOMIC STATUS: A STRONG RELATIONSHIP
A. Atallah, I. Inamo*, T. Lang**, L. Larabi***, G. Chatellier****, J.E. Rozet°, C. Machuron,
R. De Gaudemaris***
Service de cardiologie, CH de la Basse-Terre, FWI, Guadeloupe, France, *Service de cardiologie, CHU de Fort
de France, Martinique, France, **Département d’Épidémiologie, CHU de Toulouse, INSERM U 558, France,
***Service de médecine du travail, CHU de Grenoble, France, ****Département de santé publique, HE G
Pompidou, Paris, France, °Centre d’examen de santé, Basse-Terre, Guadeloupe, France

364. EVALUATION OF ABNORMAL FINDINGS IN RESTING ELECTROCARDIOGRAMS
A. Pytlak, W. Piotrowski, G. Broda
National Institute of Cardiology, Warsaw, Poland

365. DETERMINANTS OF UNCONTROLLED HYPERTENSION IN BRAZILIAN AMBULATORY PATIENTS OF AN
UNIVERSITY HYPERTENSION SERVICE
Hypertension Clinic - CLINEX - Rio de Janeiro State University - Brazil

366. BLOOD PRESSURE CONTROL IN HYPERTENSIVE PATIENTS WITH STABLE CORONARY HEART DISEASE:
A SURVEY IN GENERAL PRACTICE IN FRANCE
CHU Purpan, Toulouse , France, "CHU Lyon, France, **INSERM U558 ,Toulouse, France, ""CHU La Timone,
Marseille, France, ""TNS-SOFRES, Paris, France, "Servier Medical, Neuilly, France

367. BLOOD PRESSURE PROGRESSION AND HYPERTENSION MANAGEMENT DURING A 12-YEAR FOLLOW-UP
STUDY. THE THREE AREAS STUDY IN GREECE (TAS-GR)
A. Tsakiris, D. Lagatouras, M. Doumas, G. Vyssoulis, E. Karpanou, N. Nearhou, P. Skoufas
Hypertension Outpatient Clinic, 1st Cardiologic Dept, Hellenic Red Cross Hospital, Athens, Greece

368. EDUCATIONAL PROGRAMS MAY IMPROVE QUALITY OF LIFE IN HYPERTENSIVE PATIENTS
A. Dobosiewicz, J. Bidiuk, J. Lewandowski, P. Abramczyk, Z. Gaciong
Department of Internal Medicine, Hypertension and Angiology, Medical University of Warsaw, Warsaw, Poland
369. SMOKING AS A RISK FACTOR OF ARTERIAL HYPERTENSION IN THE POPULATION LIVING ON THE RADIUNICLUCIDE CONTAMINATED ZONES
A.I. Stchastlivenko, V.P. Podpalov, D.M. Bulanchykav
Department of Internal Medicine, Vitebsk State Medical University, Vitebsk, Belarus

370. TWENTY-YEAR MONITORING OF ARTERIAL HYPERTENSION RISK PROFILE IN UKRAINE
I. Gorbas, I. Smyrnova, I. Kvasha, N. Davydenko
Research Institute of Cardiology, Kyiv, Ukraine

371. BLOOD PRESSURE IN ADOLESCENTS MAY BE OVERESTIMATED BECAUSE OF THE FIRST-EVER MEASUREMENT PHENOMENON
H. Yagenska, O. Fedorchuk, A. Yagensky*, YU. Sahuta
Hypertension Preventive and Treatment Center, Lutsk, Ukraine, *Lutsk City Hospital, Lutsk, Ukraine

372. ARTERIAL HYPERTENSION CONTROL AND MANAGEMENT WITHIN FRAMEWORK OF THE NATIONAL PROGRAMME IN UKRAINE
I. Smyrnova, I. Gorbas
Research Institute of Cardiology, Kyiv, Ukraine

373. TRACKING OF BLOOD PRESSURE IN SCOLARISED CHILDREN: A COHORT STUDY IN TUNISIA
K. Gaha, A. Ben Abdelaziz*, N. Ben Dhia, H. Skhiri, R. Gaha*, A. Ghedira*, A. Letaief, M. Elmay, H. Ghannem*
Nephrology Department CHU Monastir, Tunisia, *Department of epidemiology and medical statistics CHU Farhat Hached Sousse, Tunisia

374. EPIDEMIOLOGY OF PATIENTS ADMITTED TO EMERGENCY DEPARTMENT WITH HYPERTENSION.
Università Cattolica del Sacro Cuore Policlinico A. Gemelli, Rome, Italy

375. CARDIOVASCULAR PREVENTIVE PROJECT LUTSKARD IN UKRAINIAN CITY LUTSK: PREVALENCE, AWARENESS, TREATMENT AND CONTROL OF HYPERTENSION, AND RESPONSE TO THE PROJECT
A. Yagensky, YU. Shahuta*, T. Zdrojewski**
Lutsk City Hospital, Lutsk, Ukraine, *Hypertension Preventive and Treatment Center, Lutsk, Ukraine, **Medical University of Gdansk, Gdansk, Poland

376. RISK PROFILE IN HYPERTENSION GENESIS: A FIVE-YEAR FOLLOW-UP STUDY
M. Ducher, Jp. Faucel, C. Cerutti
Université Claude Bernard, Lyon, France

377. HYPERTENSION IN ALGERIA: An epidemiological overview
S. Benkhedda, A. Chibane, M. Temmar, S. Latreche, D. Zari*, Merad
Cardiology Division, Mustapha Hospital School, Algiers, Algeria

378. TREATMENT GOAL ACHIEVEMENT IN HYPERTENSIVE PATIENTS: RESULTS FROM CARDIOVASCULAR AT GOAL OUTCOMES RESEARCH SPECIAL STUDY
Istanbul University, Cerrahpasa School Of Medicine, Istanbul, Turkey, *Pfizer, Outcomes Research, Istanbul, Turkey, **Hacettepe University, School Of Medicine, Ankara, Turkey, ***Marmara University, School Of Medicine, Istanbul, Turkey, ****Pfizer, Outcomes Research, Europe

379. INFLUENCE OF ASSOCIATED RISK FACTORS ON CARDIOVASCULAR MORTALITY IN THE POPULATION LIVING IN THE RADIONICLUIDE CONTAMINATED TERRITORY
A.I. Stchastlivenko, V.P. Podpalov, A.D. Deev*, L.A. Rozum
Vitebsk State Medical University, Vitebsk, Belarus, *National Research Center for Preventive Medicine, Moscow, Russia
Chairpersons:
T. Lang (Toulouse, France)
A. Manolis (Athens, Greece)

380. THE ASSOCIATION OF FACTORS OF VASCULAR RISK BEARS A MAJOR MORTALITY IN THE ACUTE CORONARY SYNDROME
M.L. Chayán Zas, A. Pose Reino, M. Jaquet Herter, M. Gil de la Peña, J.C. Estévez Nuñez, I. Méndez Naya
Clinical University Hospital of Santiago de Compostela, Spain

381. POSSIBLE OVERTREATMENT OF ARTERIAL HYPERTENSION : RESULTS FROM THE IHPAF STUDY
Unite Inserm 558, Toulouse, France, *Hopital G Pompidou, Paris, France, **Hopital E Herriot, Lyon, France,
***Service de Médecine et Santé Au Travail, CHU, Grenoble, France

382. CASE-CONTROL STUDY OF THE RISK FACTORS OF SIDE EFFECTS UNDER ANTIHYPERTENSIVE DRUGS.
F. A. Allaert, C. Causse*
Dept Epidemiology McGill University Montreal, Canada, *Laboratoires Pierre Fabre Cardiovasculaire, Castres,
France

383. EVALUATION OF FACTORS CONTRIBUTING TO LOSS OF FOLLOW UP IN A HYPERTENSION CLINIC.
Hypertension Clinic, Venizeleion General Hospital, Heraklion, Greece

384. CHARACTERISTICS OF PATIENTS WITH ESSENTIAL HYPERTENSION IN ASTURIAS, SPAIN. A PRIMARY CARE-BASED STUDY OF 2517 HYPERTENSIVE CASES
M. Pizarro°, M. J. Barreda°°
Primary Health Center of Vallobín, Spain, *Hospital de Jarrio, Spain, **Primary Health Center of Cabañaquinta,
Spain, ***Hospital Central de Asturias, Spain, ****Primary Health Center of Ventanielles, Spain, *Primary Health Center of El Cristo, Spain, **Primary Health Center of Paulino Prieto, Asturias, Spain, on behalf of the Oviedo Hypertension Group

385. HYPERTENSION INFLUENCE ON HEALTH LEVEL IN UKRAINE
O. Kvasha, I. Smyrnova, I. Gorbas, N. Davydenko, O. Malatskivska
Research Institute of Cardiology, Kyiv, Ukraine

386. PERCEIVED STRESS AND HYPERTENSION RELATED VARIABLES:EPIDEMIOLOGY STUDY IN ONE MOSCOW CITY SUBURBAN TOWN
A.D. Deev, A.N. Britov, N.A. Eliseeva, M.M. Bystrova
State Research Centre for Preventive Medicine, Moscow, Russia

387. EPIDEMIOLOGICAL OBSERVATIONS IN NORMOTENSIVES WITH EXAGGERATED HYPERTENSIVE RESPONSE TO EXERCISE
V. Tolis
Cardiac Department, 3rd IKA Hospital, Athens, Greece, *Laviron Health Center, General Hospital of Athens,
Athens, Greece, **1st Cardiac Department, Red Cross Hospital, Athens, Greece
<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>388.</td>
<td>BLOOD PRESSURE OF HEMODIALYSED PATIENTS IN WESTERN SWITZERLAND</td>
</tr>
<tr>
<td>389.</td>
<td>ARTERIAL HYPERTENSION AND THE OTHER CORONARY ARTERY DISEASE RISK FACTORS IN THE ADULT INHABITANTS OF TALLINN</td>
</tr>
<tr>
<td>390.</td>
<td>BLOOD PRESSURE CONTROL OF HYPERTENSIVE PATIENTS IN ANDORRA: DATA ISSUED FROM A SURVEY CONDUCTED IN 2001 BY THE GENERAL PRACTITIONERS AS A WHOLE</td>
</tr>
<tr>
<td>391.</td>
<td>FREQUENCY AND MANAGEMENT OF HYPERLIPIDAEMIA IN PATIENTS WITH ESSENTIAL HYPERTENSION IN A GREEK POPULATION</td>
</tr>
<tr>
<td>392.</td>
<td>ARTERIAL HYPERTENSION PREVALENCE AND FOOD CONTENTS OF MICROLEMENTS, VITAMINS, POLYUNSATURATED FATTY ACIDS (W-3 FAMILY)</td>
</tr>
<tr>
<td>393.</td>
<td>GENDER DIFFERENCES IN CARDIOVASCULAR RISK FACTORS AND LIFESTYLE CHANGES IN TALLINN WHITE-COLLAR HYPERTENSIVE PATIENTS</td>
</tr>
<tr>
<td>394.</td>
<td>GENDER SPECIFIC ASSOCIATION BETWEEN PULSE PRESSURE AND C-REACTIVE PROTEIN IN A CHINESE POPULATION</td>
</tr>
<tr>
<td>395.</td>
<td>CARDIOVASCULAR AND RENAL EVENTS INCIDENCE IN GENERAL PRACTICE IN A 16 000-HIGH RISK PATIENT COHORT: CARDIORENOVA SURVEY DESIGN</td>
</tr>
<tr>
<td>396.</td>
<td>SOMATIC SYMPTOMS IN HYPERTENSIVE WOMEN DOCTORS ACCORDING TO DISTRESS</td>
</tr>
<tr>
<td>397.</td>
<td>RELATIONSHIP OF HIGH SENSITIVITY C-REACTIVE PROTEIN AND CONVENTIONAL CARDIOVASCULAR RISK FACTORS IN HUMAN DRY DOCK</td>
</tr>
<tr>
<td>398.</td>
<td>EPIDEMIOLOGY OF HYPERTENSION IN KRALJEVO MUNICIPALITY, SERBIA</td>
</tr>
</tbody>
</table>
399. EVOLUTION OF THE QUALITY OF CARDIOVASCULAR RISK (CVR) ESTIMATION BY GENERAL PRACTITIONERS (GP) IN HYPERTENSIVE PATIENTS, 6 MONTHS AFTER SENSITISATION BY A MEDICAL PRACTICE SURVEY
C. Mounier Vehier, Tm. Phan*, S. Duquenoy, G. Amah**, P. Fontaine***
Service D’hita, Hopital Cardiologique, Chru Lille, France, *Sanofi Synthelabo, France, **Chu Lariboisiere, Paris, France, ***Service De Diabetologie, Chru Lille, France

400. THE EFFECTS OF HYPERTENSION AND IMPAIRED GLUCOSE METABOLISM IN PATIENTS WITH CORONARY ARTERY DISEASE
Cardiology Department, General Hospital of Komotini, Komotini, Greece, *Outpatient clinic for Diabetes Mellitus, General Hospital of Komotini, Komotini, Greece, **Laboratory of Microbiology - General Hospital of Komotini, Komotini, Greece

401. DYNAMIC OF STATISTICAL AND EPIDEMIOLOGICAL DATA OF THE PROGRAM FOR ARTERIAL HYPERTENSION PREVENTION AND TREATMENT IN AN UKRAINE REALIZATION
YU. Sirenko, I. Gorbas, I. Smyrnova
Institute of Cardiology, Kiev, Ukraine

402. DETAILED ANALYSIS OF RISK FACTORS IN YOUNG PATIENTS WITH JUVENILE HYPERTENSION
V. Micieta, E. Cizmarova*
Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia, *Private Praxis in Pediatric Cardiology, Bratislava, Slovakia

403. MACRO- AND MICROELEMENTS CONTENT IN PLASMA OF SUBJECTS WITH ESSENTIAL ARTERIAL HYPERTENSION
A. Goch, J.H. Goch
Department of Cardiology and Hypertension Medical University of Lódz, Poland

404. THE ACUTE CORONARY SYNDROME ASSOCIATES TO AN ACCUMULATION OF FACTORS OF VASCULAR RISK
Clinical University Hospital of Santiago de Compostela, Spain

405. MORTALITY AND INCIDENCE RATE OF CORONARY HEART DISEASE IN VARIOUS LEVELS OF BLOOD PRESSURE IN MOSCOW FOLLOW UP STUDY
E.V. Kokurina, A.A. Alexandrov, E.V. Bochkareva
National State Center for Preventive Medicine, Russia

406. EPIDEMIOLOGY OF HYPERTENSION IN DEVELOPING COUNTRIES WITH SPECIAL REFERENCE TO INDIA: AN ATTEMPT ON MODELLING THE RISK FACTORS AND PLANNING FOR PREVENTION AND IMPROVED HEALTH CARE
S. Shanmuganandan
Madurai Kamaraj University, Madurai, Tamilnadu, India

407. CARDIOVASCULAR RISK EVALUATION IN HYPERTENSIVE PATIENTS WITH FRAMINGHAM AND SCORE SCALES
Health Centre La Alamedilla, Salamanca, Spain, *Health centre Garrido Sur, Salamanca, Spain, **Hypertension Service, Salamanca Hospital, Salamanca, Spain

408. EPIDEMIOLOGICAL STUDY OF ARTERIAL HYPERTENSION AND ELECTROCARDIOGRAPHIC CHANGES - A 15 YEAR FOLLOW-UP
Z. Durakovic, M. Misigoj-Durakovic*, B. Ceric**, Z. Pisl**
Department of Internal Medicine, Rebro University Hospital, Medical Faculty University of Zagreb, Croatia, *Department of Kinesiological Anthropology, Faculty of Kinesiology, University of Zagreb, Croatia, **Institute for Medical Research and Occupational Health, Zagreb, Croatia
Wednesday, June 16
Room 352AB
Level 3

12.45-14.15 Teaching Seminar

Mechanisms, prevention and management of stroke in hypertension

Chairpersons:
A. Coca (Barcelona, Spain)
C. Tzourio (Paris, France)

Hypertension and cerebral vasoreactivity
P. Demolis (Paris, France)

Blood pressure in acute stroke
P. Bath (Nottingham, UK)

Stroke prevention by antihypertensive treatment: are there any differences between drugs?
J. Staessen (Leuven, Belgium)

Stroke prevention in the very elderly population
F. Gueyffier (Lyon, France)

Discussion
C. Tzourio (Paris, France), A. Coca (Barcelona, Spain)
Wednesday, June 16
Room Bordeaux
Level 3

12.45-14.15 Teaching Seminar

Assessment of cardiovascular risk in clinical practice

Chairpersons:
M.J.N. Leeman (Brussels, Belgium)
B. Waeber (Lausanne, Switzerland)

Cardiovascular risk stratification: similitudes and differences between guidelines
M.J.N. Leeman (Brussels, Belgium)

How far to go in cardiovascular risk assessment?
G.T. Mc Innes (Glasgow, UK)

Strict control of all modifiable risk factors: a pragmatic approach to limit investigations!
B. Waeber (Lausanne, Switzerland)
Wednesday, June 16
Room Havane
Level 3

12.45-14.15 “How to” Session

How to manage patients with mild renal function abnormalities?
Chairpersons:
J. Ribstein (Montpellier, France)
J. Rodicio (Madrid, Spain)

Microalbuminuria as cardiovascular risk factor
A. Mimran (Montpellier, France)

Metabolic syndrome and renal damage
B. Williams (Leicester, UK)

Therapeutical approach of hypertensive patients with small renal abnormalities
L.M. Ruilope (Madrid, Spain)
15.30 IMPLICATIONS OF AN OBESITY EPIDEMIC ON BP LEVELS IN ENGLAND
P. Primatesta, N. Poulter*
Department of Epidemiology and Public Health, University College London, London, UK, *Faculty of Medicine, Imperial College London, London, UK

15.45 DETERMINANTS OF STROKE MORTALITY IN MEN AND WOMEN ACCORDING TO AGE
F. Thomas, A. Benetos, B. Pannier, K. Bean, L. Guize
Centre d’Investigations Prévontives et Cliniques, Paris, France

16.00 DO HEAT WAVES CAUSE ENDOTHELIUM DYSFUNCTION?
T.S. Nawrot, J.A. Staessen, R.H. Fagard, L.M. Van Bortel*, H.A. Struijker-Boudier**
Universiteit Leuven, Studiecoördinatiecentrum, Hypertensie Eenheid, Leuven, Belgium, *Universiteit Gent, Klinische Farmacologie, Heymans Instituut voor Farmacologie, Gent, Belgium, **Universiteit Maastricht, Cardiovasculair Onderzoeksinstituut Maastricht, Maastricht, The Netherlands

16.15 HYDRA: POSSIBLE DETERMINANTS OF UNSATISFACTORY HYPERTENSION CONTROL IN GERMAN PRIMARY CARE PATIENTS
Center for Cardiovascular Research, Charité - Universitätsmedizin Berlin, Germany, *Institute of Clinical Psychology and Psychotherapy, Technical University of Dresden, Germany, **Department of Medicine, McMaster University, Hamilton, ON, Canada

16.30 COST-EFFECTIVENESS OF LOSARTAN IN PATIENTS WITH HYPERTENSION AND LVH: AN ECONOMIC EVALUATION OF THE LIFE TRIAL
Stockholm Health Economics, Stockholm, Sweden, *Merck and Co., Whitehouse Station, NJ, USA, **Umea University Hospital, Umea, Sweden, ***Sahlgrenska University Hospital/Ostra, Gothenburg, Sweden

16.45 COMPARISON OF THE INTOLERANCE OF DRUG TREATMENTS DURING THE USUAL MANAGEMENT OF HYPERTENSIVE PATIENTS
X. Girerd, J.S. Larguier*, F. Mistretta*, Y. Alamercery*, E. Van Ganse**, on behalf of the OTA Study Investigators
Hôpital de la Pitié, Paris, France, *RCTs, Vaulx en Velin, France, **Centre Hospitalier Lyon-Sud, Lyon, France
Wednesday, June 16
Room Bordeaux
Level 3

CLINICAL ASPECTS
Oral Session 9B

Chairpersons:
C. Cuspidi (Milan, Italy)
T. Rosenthal (Tel-Aviv, Israel)

15.30 CASE SERIES OF PERIPARTUM PHEOCHROMOCYTOMA: A RARE AND CHALLENGING ENTITY
Hypertension Unit and Internal Medicine D, C Sheba Medical Center, Tel Hashomer, Israel

15.45 CARDIOVASCULAR PROGNOSIS AND CHRONIC KIDNEY DISEASE DEVELOPMENT IN LONG-TERM TREATED HYPERTENSIVE PATIENTS
Hypertension Unit, Hospital 12 de Octubre, Madrid, Spain

16.00 DETERMINANTS OF LEFT VENTRICULAR MASS IN PATIENTS WITH END STAGE RENAL FAILURE UNDERGOING HEMODIALYSIS
M. Brahimi, H. Dabire*, B. Levy
INSERM U541, Hopital Lariboisière, Paris, France, *INSERM EMI-U0107, Paris, France, **INSERM U541, Hopital Lariboisière, Paris, France

16.15 BLOOD PRESSURE CONTROL EVALUATED BY AMBULATORY BLOOD PRESSURE MONITORING 10 YEARS AFTER THE DIAGNOSIS OF SUSTAINED HYPERTENSION.
PH. Gustavsen, A. Hoegholm, LE. Bang*, KS. Kristensen**
Department of Internal Medicine, Naestved University Hospital, Naestved, Denmark, *Department of cardiology, Copenhagen University Hospital, Copenhagen, Denmark, **Department of Internal Medicine, Holbaek Hospital, Holbaek, Denmark

16.30 ORTHOSTATIC FALL IN BLOOD PRESSURE IN VERY ELDERLY HYPERTENSIVES - RESULTS FROM THE HYPERTENSION IN THE VERY ELDERLY TRIAL (HYVET)
Imperial College, Faculty of Medicine, London, UK, *Hospital St Anna, Sofia, Bulgaria, **UMF Cluj Napoca, Cluj, Romania, ***Fu Wai Hospital, Beijing China, ****London School of Hygiene, London, UK

16.45 BETA ADRENERGIC RECEPTOR POLYMORPHISMS AND METABOLIC ADVERSE EVENTS TO ANTIHYPERTENSIVE BETA BLOCKADE TREATMENT
G. Iaccarino, V. Trimarco( *), F. Lanni, E. Cipolletta, R. Izzo, GF. Di Renzo*, L. Annunziato*, B. Trimarco
Medicina Clinica e Scienze Cardiovascolari, Federico II University, Naples, Italy, *Neuroscienze, Federico II University, Naples, Italy
BRAIN AND COGNITIVE FUNCTION
Oral Session 9C

**Wednesday, June 16**
**Room Havane**
**Level 3**

*Chairpersons:*
- O. Hanon *(Paris, France)*
- S. Strandgaard *(Herlev, Denmark)*

**15.30** ANGIOTENSIN AT2 RECEPTORS ARE UPREGULATED EXCLUSIVELY IN NEURONS AND ASSOCIATED WITH NEURITE OUTGROWTH AFTER FOCAL CEREBRAL ISCHEMIA IN RATS
  *Center for Cardiovascular Research (CCR) /Institute of Pharmacology and Toxicology, Charité Mitte, Berlin, Germany*

**15.45** CELLULAR RAREFACTION IN THE BRAIN OF HYPERTENSIVE PATIENTS
  G. Selvetella, V. Calistri*, G. Garreffa*, C. Colonnese**, G. Lembo***
  *Dept. of AngioCardioNeurology, IRCCS Neuromed, Pozzilli, Italy, *Dept. of NeuroRadiology, IRCCS Neuromed, Pozzilli, Italy, **Dept. of NeuroRadiology, IRCCS Neuromed, Pozzilli, Italy, and La Sapienza University, Rome, Italy, ***Dept. of AngioCardioNeurology, IRCCS Neuromed, Pozzilli, Italy, and La Sapienza University, Rome, Italy*

**16.00** HYPERTENSION INDUCES BETA AMYLOID DEPOSITION IN SELECTED BRAIN AREAS
  MT. Gentile, R. Poulet, A. Maffei, G. Russo, G. Lembo( , *)
  IRCCS Neuromed, Pozzilli (IS), Italy, *University La Sapienza, Rome, Italy*

**16.15** RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND COGNITIVE DECLINE IN ELDERLY SUBJECTS
  O. Hanon, S. Haulon, Ml. Seux, As. Rigaud, F. Forette, M. Safar*
  *Department of geriatrics, Broca Hospital, Paris, France, *Department of internal medicine, Broussais hospital, Paris, France*

**16.30** PROGNOSTIC VALUE OF BLOOD PRESSURE IN ACUTE STROKE
  K. Goulene, P. Santalucia, C. Gori, P. Ferrari, G. Leonetti, M. Stramba-Badiale
  Stroke Unit, IRCCS Istituto Auxologico Italiano, Milan, Italy

**16.45** LISISOPRIL IS AN EFFECTIVE HYPOTENSIVE AGENT BUT DOES NOT IMPROVE HAEMODYNAMIC STABILITY FOLLOWING ACUTE STROKE
  D.J. Eveson, T.G.Robinson, J.F. Potter
  *Ageing & Stroke Medic. Group, Dept. of Cardiovascular Sciences, University of Leicester, UK*
Wednesday, June 16
Room 352AB
Level 3

15.30-17.00  Topical Workshop

New technological approaches to find molecular targets in hypertension: application to pathology and therapeutics

Chairpersons:
F. Pinet (Lille, France)
J. Poetzch (Berlin, Germany)

Introduction
F. Pinet (Lille, France)

Transcriptomic analysis: the current tools
S. Germain (Paris, France)

Automated RNA interference: a unique tool for the validation of genetic targets
J. Poetzsch (Berlin, Germany)

Interest of Ciphergen protein chips for the detection of biomarkers
O. Meilhac (Paris, France)

Conclusion
J. Poetzsch (Berlin, Germany)
Wednesday, June 16
Grand Amphithéâtre
Level 0

17.00-18.00 Plenary Session

ESH-ESC session: metabolic syndrome beyond hypertension:
new pharmacological targets

Chairpersons:
R. Cifková (Prague, Czech Republic)
M. Marre (Paris, France)

LECTURES

Epidemiology of metabolic syndrome
R. Cifková (Prague, Czech Republic)

CV risk of metabolic syndrome
D. Laaksonen (Kuopio, Finland)

Transcription factors, insulin resistance and obesity
J.C. Fruchart (Lille, France)

Obesity and hypertension, the pharmacological targets
A. Sharma (Hamilton, Canada)

18.15 XIV ESH Meeting Closing Remarks