

Sunday, June 19  
Red Hall 1

## Breakfast Workshop

07.15-08.15

**Assessing cardiac tissue composition.  
The backscattering and videodensitometric  
approach**

Chairmen:

**C. Giannattasio** (*Milan, Italy*)

**M.L. Muiesan** (*Brescia, Italy*)

**Myocardial tissue characterization by  
ultrasound: methods and clinical  
findings**

C. Palombo (*Pisa, Italy*)

**Advanced imaging modalities by ultrasound:  
redundant, complementary or alternative to  
each other?**

M. Galderisi (*Naples, Italy*)

**Sunday, June 19**  
**Red Hall 2**

## **Breakfast Workshop**

07.15-08.15

### **Sleep apnea**

Chairman:

**K. Kawecka-Jaszcz** (*Cracow, Poland*)

### **Mechanisms linking obstructive sleep apnea and hypertension**

**K. Narkiewicz** (*Gdansk, Poland*)

### **Sleep apnea related hypertension: from diagnosis to treatment**

**J.P. Baguet** (*Grenoble, France*)

Sunday, June 19  
Blue Hall

## Breakfast Workshop

07.15-08.15

### **Sexual dysfunction - Hypertension - Antihypertensive treatment**

Chairman:

**C.J. Bulpitt** (*London, UK*)

### **Sexual function in hypertensive subjects**

N. Beckett (*London, UK*)

### **Effects of antihypertensive treatment**

R. Fogari (*Pavia, Italy*)

**Sunday, June 19**  
**Yellow Hall**

## **Breakfast Workshop**

07.15-08.15

### **Telemedicine in hypertension and related diseases**

Chairman:  
**G. Parati** (*Milan, Italy*)

### **Teletransmission of BP values: a support to hypertension management and blood pressure control?**

T. Mengden (*Bonn, Germany*)

### **Telemedicine and the complications of hypertension: validity, problems and perspectives**

R. Asmar (*Paris, France*)

Sunday, June 19  
Red Hall 1  
8.30-10.30

## Experimental Pharmacology and Therapeutics Oral Session 4A

Chairmen:

**V. Lahera** (*Madrid, Spain*)

**W. Zidek** (*Berlin, Germany*)

**8.30 • RADIAL AUGMENTATION INDEX IS INVERSELY CORRELATED WITH THE DURATION OF SUCCESSFUL ANTIHYPERTENSIVE TREATMENT**

Y. Ohno, M. Ito, Y. Kanno\*, H. Suzuki\*, T. Saruta\*\* (*Yashio City, \*Moro City, \*\*Tokyo, Japan*)

**8.45 • SOLUBLE GUANYLATE CYCLASE STIMULATOR BAY41-2272 AMELIORATES CARDIOVASCULAR REMODELING IN ANGIOTENSIN II-INDUCED HYPERTENSIVE RATS**

H. Masuyama, T. Tsuruda, J. Kato, T. Imamura, Y. Asada, J.P. Stasch\*, T. Eto (*Kiyotake, Japan; \*Wuppertal, Germany*)

**9.00 • ALDEHYDE DEHYDROGENASE 2 PLAYS A ROLE IN THE BIOACTIVATION OF GLYCERYL TRINITRATE IN HUMANS**

I.S. Mackenzie, K.M. Maki-Petaja, C.M. McEniery, Y.P. Bao, S. Wallace, J. Cheriyan, S. Monteith, M.J. Brown, I.B. Wilkinson (*Cambridge, UK*)

**9.15 • AMBULATORY BLOOD PRESSURE MONITORING IN THE VALUE TRIAL**

O.L. Pedersen, S.E. Kjeldsen\*, G. Mancia\*\*, A. Høegholm\*\*\*, J. Refsgaard, S. Julius\*\*\*\* (*Viborg, Denmark; \*Oslo, Norway; \*\*Milan, Italy; \*\*\*Næstved, Denmark; \*\*\*\*Ann Arbor, MI, USA*)

**9.30 • SPIRONOLACTONE IN NEW ONSET AND RESISTANT HYPERTENSION: ALDOSTERONE TO RENIN RATIO HELPS PREDICT RESPONSE**

A. Mahmud, M. Mahgoub, M. Hall, L. Hemeryck, J. Feely (*Dublin, Ireland*)

**9.45 • OLMEST-STUDY: REDUCTION OF BLOOD PRESSURE IN THE TREATMENT OF PATIENTS WITH MILD-TO-MODERATE ESSENTIAL HYPERTENSION - INTERIMS ANALYSIS OF THE BRITISH SUB STUDY**

T. Heagerty, S. Ewald\*, M. Böhm\*\* (*Manchester, UK; \*München, \*\*Homburg, Germany*)

**10.00 • LECTURE:  
"LIPID LOWERING IN HYPERTENSION"**

N.R. Poulter (*London, UK*)

Sunday, June 19  
Auditorium  
8.30-10.30

## Metabolic Syndrome Oral Session 4B

Chairmen:

R. Cífková (Prague, Czech Republic)  
O. González Albarrán (Madrid, Spain)

### 8.30 • METABOLIC SYNDROME AND LEFT VENTRICULAR MASS IN THE GUBBIO POPULATION STUDY

L.A. Ferrara, O. Vaccaro, O. Cardoni\*, M. Mancini, A. Zanchetti\*\* (Naples, \*Gubbio-PG, \*\*Milan, Italy)

### 8.45 • BODY BUILD AND RISK OF CARDIOVASCULAR EVENTS IN HYPERTENSION: THE LIFE STUDY

G. de Simone<sup>1</sup>, K. Wachtell<sup>2</sup>, V. Palmieri<sup>1</sup>, G. Beevers<sup>3</sup>, B. Dahlöf<sup>4</sup>, U. de Faire<sup>5</sup>, F. Fyhrquist<sup>6</sup>, H. Ibsen<sup>2</sup>, S.E. Kjeldsen<sup>7</sup>, O. Lederballe-Pedersen<sup>8</sup>, L.H. Lindholm<sup>9</sup>, M.S. Nieminen<sup>6</sup>, P. Omvik<sup>10</sup>, S. Oparil<sup>11</sup>, D.A. Hille<sup>12</sup> (<sup>1</sup>Naples, Italy; <sup>2</sup>Glostrup, Denmark; <sup>3</sup>Birmingham, UK; <sup>4</sup>Göteborg, <sup>5</sup>Stockholm, Sweden; <sup>6</sup>Helsinki, Finland; <sup>7</sup>Oslo, Norway; <sup>8</sup>Viborg, Denmark; <sup>9</sup>Umeå, Sweden; <sup>10</sup>Bergen, Norway; <sup>11</sup>Birmingham, AL, <sup>12</sup>Blue Bell, PA, USA)

### 9.00 • PREDICTED BIRTHWEIGHT AND POSTNATAL WEIGHT GAIN AND THE RISK OF METABOLIC SYNDROME AT 8 YEARS OF AGE

L. Beilin, R. Huang, V. Burke, L. Palmer, G. Kendall, K. Blake, L. Landau, J. Newnham, F. Stanley (Perth, Australia)

### 9.15 • METABOLIC SYNDROME IN THE PAMELA POPULATION: PREVALENCE, PROGNOSTIC VALUE, OUT-OF-OFFICE BLOOD PRESSURES AND CARDIAC DAMAGE

G. Mancia, R. Sega, G.C. Cesana, M. Bombelli, G. Corrao, H. Polo Friz, R. Facchetti, G. Grassi, A. Zanchetti (Milan, Italy)

### 9.30 • CIRCULATING LEPTIN LEVELS PREDICT THE DEVELOPMENT OF METABOLIC SYNDROME: 8-YEAR FOLLOW-UP OF THE OLIVETTI PROSPECTIVE HEART STUDY

F. Galletti, A. Barbato, G. Barba, R. Iacone, O. Russo, L. D'Elia, M. Versiero, A. Siani\*, F.P. Cappuccio\*\*, P. Strazullo (Naples, \*Avellino, Italy; \*\*London, UK)

### 9.45 • THE METABOLIC SYNDROME AND ANTIHYPERTENSIVE TREATMENT IN THE EUROPEAN LACIDIPINE STUDY ON ATHEROSCLEROSIS (ELSA)

A. Zanchetti, M. Hennig\*, H. Baurecht\*, R. Tang\*\*, C. Cuspidi, G. Parati, G. Mancia (Milan, Italy; \*Munich, Germany; \*\*Winston-Salem, NC, USA)

### 10.00 • PREVALENCE OF METABOLIC SYNDROME AND ITS ASSOCIATION WITH PROTEINURIA IN A CHINESE POPULATION

J.G. Wang, Y. Yang\*, X.Y. Li, X.C. Liu\*, G. Ning (Shanghai, \*Qingdao, China)

### 10.15 • CHARACTERISTICS OF THE METABOLIC SYNDROME IN A LARGE COHORT OF FRENCH HYPERTENSIVE SUBJECTS: THE SYMphonie STUDY

F. Thomas, B. Pannier, A. Benetos, E. Eschwege\*, Y. Leocmach\*\*, L. Guize (Paris, \*Villejuif, \*\*Garches, France)

Sunday, June 19  
Yellow Hall  
8.30-10.30

## Blood Pressure Measurement and Haemodynamics Oral Session 4C

Chairmen:

**P. Palatini** (*Padua, Italy*)

**P. Sleight** (*Oxford, UK*)

### **8.30 • ACTIVITY AND POSITION MONITORING DURING AMBULATORY BLOOD PRESSURE AND HEART RATE MONITORING**

P. Gosse, P. Guillo\*, M.L. Wetzler\*\* (*Bordeaux, \*Rennes, \*\*Rueil-Malmaison, France*)

### **8.45 • PREDICTION OF STROKE BY FOUR BLOOD PRESSURE INDEXES DETERMINED BY 24-HOUR AMBULATORY BLOOD PRESSURE MONITORING IN A GENERAL POPULATION: THE OHASAMA STUDY**

R. Inoue, T. Ohkubo, M. Kikuya, H. Metoki, K. Asayama, T. Obara, H. Hoshi\*, J. Hashimoto, K. Tostune, H. Satoh, Y. Kondo, Y. Imai (*Sendai, \*Ohasama, Japan*)

### **9.00 • DIPPING STATUS AND BLOOD PRESSURE VARIABILITY WERE NOT PREDICTORS OF CARDIOVASCULAR MORBIDITY AND MORTALITY - A 10-YEAR FOLLOW-UP STUDY**

P.H. Gustavsen, A. Hoegholm, L.E. Bang\*, K.S. Kristensen\*\* (*Naestved, \*Copenhagen, \*\*Holbaek, Denmark*)

### **9.15 • PREDICTION OF CARDIOVASCULAR MORTALITY BY AMBULATORY BLOOD-PRESSURE MONITORING: THE DUBLIN MORTALITY OUTCOME STUDY**

E. Dolan, A. Stanton, L. Thijs\*, K. Hinedi, N. Atkins, S. McClory, E. Den Hond\*, P. McCormack, J.A. Staessen\*, E. O'Brien (*Dublin, Ireland; \*Leuven, Belgium*)

### **9.30 • CARDIOVASCULAR RISK IN WHITE-COAT RESISTANT AND TRUE RESISTANT HYPERTENSION**

S. Pierdomenico, D. Lapenna, A. Bucci, R. Di Tommaso, B. Manente, F. Cuccurullo, A. Mezzetti (*Chieti, Italy*)

### **9.45 • EFFICACY OF NON-INVASIVE HEMODYNAMIC MONITORING TO TARGET REDUCTION OF BLOOD PRESSURE LEVELS (THE CONTROL TRIAL)**

C. Ferrario, R. Smith, P. Levy (*Winston-Salem, NC, USA*)

### **10.00 • INFLUENCE OF CIGARETTE SMOKING ON AMBULATORY BLOOD PRESSURE IN UNTREATED PATIENTS WITH ESSENTIAL HYPERTENSION**

R. Hermida, D.E. Ayala, C. Calvo\*, M. Covelro\*, M. Rodríguez\*, A. Mojón, J.R. Fernández, I. Alonso, M.J. Fontao, R. Soler, J.E. López\* (*Vigo, \*Santiago, Spain*)

### **10.15 • ASSESSMENT OF NORMOTENSIVE HOPE PATIENTS BY AMBULATORY BLOOD PRESSURE MEASUREMENTS: EVALUATION OF SINGLE VERSUS TWICE DAILY DOSING OF RAMIPRIL**

D. Goyal, A. Chong, R. Watson, N. Prasad, R. Watson (*Birmingham, UK*)

Sunday, June 19  
Blue Hall  
8.30-10.30

## Clinical Aspects Oral Session 4D

Chairmen:

**G. Leonetti** (*Milan, Italy*)

**P.A. van Zwieten** (*Amsterdam, The Netherlands*)

### **8.30 • INCREASED ANGIOTENSIN II SENSITIVITY IN FAMILIAL HYPERCHOLESTEROLEMIA**

N. van der Linde, E. Sijbrands, F. Boomsma, A. van den Meiracker (*Rotterdam, The Netherlands*)

### **8.45 • CLINICAL USEFULNESS OF PULSE WAVE VELOCITY AS A PREDICTOR FOR CEREBROCARDIOVASCULAR EVENTS IN PATIENTS WITH ESSENTIAL HYPERTENSION**

M. Terai, M. Ohishi, N. Ito, M. Kaibe, T. Takagi, Y. Tatara, H. Rakugi, T. Ogihara (*Suita, Japan*)

### **9.00 • THE PREDICTIVE VALUE OF ESTABLISHED CLINICAL CLUES FOR THE DIAGNOSIS OF RENAL ARTERY STENOSIS IN CLINICAL PRACTICE**

M. van Onna, P. Nelemans, A. Kroon, A. Kessels, K. Flobbe, M. de Haan, P. de Leeuw (*Maastricht, The Netherlands*)

### **9.15 • ALDOSTERONE TO RENIN RATIO IS ASSOCIATED WITH AMBULATORY BLOOD PRESSURE RESPONSE TO TREATMENT IN HYPERTENSIVE PATIENTS OF AFRICAN DESCENT**

M. Bochud, J. Nussberger, P. Bovet\*, M. Maillard, M. Burnier (*Lausanne, Switzerland; \*Victoria, Seychelles*)

### **9.30 • HYPERTENSION CARE, OBESITY AND SOCIOECONOMIC STATUS: A STRONG RELATIONSHIP**

A. Atallah, J. Inamo\*, T. Lang\*\*, L. Larabi\*\*\*, G. Chatellier°, J.E. Rozet, R. Degaudemaris\*\*\* (*Basse-Terre, Guadeloupe; \*Fort de France, \*\*Toulouse, \*\*\*Grenoble, °Paris, France*)

### **9.45 • SYSTOLIC BLOOD PRESSURE IS ASSOCIATED WITH IMPAIRED ERECTILE FUNCTION EVEN IN THE HIGH NORMAL RANGE**

A. Micheli, M. Dumas, A. Tsakiris\*, S. Douma\*, Ang. Papadopoulos\*, A. Hounta\*, N. Spathari, A. Tatara, C. Ellinas\*, Ant. Papadopoulos\*, H. Giamarellou\* (*Alexandroupolis, \*Athens, Greece*)

### **10.00 • HYPERTENSION IN HIV-INFECTED SUBJECTS: PREVALENCE AND DETERMINANTS**

V. Giner, M.J. Esteban, J. Galindo, R. Oltra, C. Fernandez, F. Alcacer, J. Guix, J. Redon (*Valencia, Spain*)

### **10.15 • HYPERTENSION AND ANXIETY - SEROTONIN DEPLETION ASSOCIATED WITH CONSISTENT EXCESS PRESSOR RESPONSE TO STRESS CHALLENGE IN PATIENTS WITH TREATED ANXIETY DISORDERS**

S. Davies, S. Hood\*\*, S. Argyropoulis, C. Bell, P. Jackson\*, D. Nutt, J. Potokar (*Bristol, \*Sheffield, UK; \*\*Perth, Australia*)

Sunday, June 19  
Red Hall 1  
11.00-12.30

## Endothelium Oral Session 5A

Chairmen:

**W. Kiowski** (*Zurich, Switzerland*)

**A. Salvetti** (*Pisa, Italy*)

**11.00 • IDENTIFICATION OF A CYTOCHROME P450 2C9 DERIVED ENDOTHELIUM-DERIVED HYPERPOLARIZING FACTOR IN ESSENTIAL HYPERTENSIVE PATIENTS**

A. Virdis, A. Cipriano, D. Versari, A. Magagna, L. Ghiadoni, S. Taddei, A. Salvetti (*Pisa, Italy*)

**11.15 • DELETION OF P66shc GENE PROTECTS AGAINST OXIDATIVE STRESS-INDUCED ENDOTHELIAL DYSFUNCTION IN TYPE I DIABETES MELLITUS**

M. Schiavoni, G. Camici\*\*, P. Francia, P.G. Pelicci\*, M. Volpe, T.F. Luescher\*\*, F. Cosentino\*\* (*Rome, \*Milan, Italy; \*\*Zurich, Switzerland*)

**11.30 • DEFECTIVE ENDOTHELIUM-DERIVED HYPERPOLARISING FACTOR AND CONNEXIN 40 IN THE INSULIN-RESISTANT OBESE ZUCKER RAT**

J. Reid, E. Young, W. Lau, M. Hill\*, W. Wiehler\*\* (*Melbourne, \*Sydney, Australia; \*\*Calgary, Canada*)

**11.45 • ENDOTHELIAL DYSFUNCTION IS ASSOCIATED WITH INCREASED CENTRAL PULSE PRESSURE AND ARTERIAL STIFFNESS**

C.M. McEniery, I.S. Mackenzie, Y. Yasmin, S. Wallace, B. McDonnell\*, I.B. Wilkinson, J.R. Cockcroft\* (*Cambridge, \*Cardiff, UK*)

**12.00 • EFFECT OF EARLY AND CHRONIC HIGH SODIUM DIET ON NO-DEPENDENT DILATATION**

M. Cordaillat, A. Fort, A. Virsolvy, S. Richard, B. Jover (*Montpellier, France*)

**12.15 • FLAVANOL-RICH DARK CHOCOLATE DECREASES BLOOD PRESSURE, IMPROVES ENDOTHELIUM-DEPENDENT VASORELAXATION, AND AMELIORATES INSULIN SENSITIVITY IN PATIENTS WITH ESSENTIAL HYPERTENSION**

D. Grassi, S. Necozione, C. Lippi, G. Croce, L. Valeri, P. Pasqualetti, G. Desideri, J.B. Blumberg\*, C. Ferri (*L'Aquila, Italy; \*Boston, MA, USA*)

Sunday, June 19  
Red Hall 2  
11.00-12.30

## Non-Pharmacological Treatment Oral Session 5B

Chairmen:

L.J. Beilin (*Perth, Australia*)

G.A. MacGregor (*London, UK*)

**11.00 • A COMPREHENSIVE META-ANALYSIS ON THE INFLUENCE OF DYNAMIC AEROBIC ENDURANCE TRAINING ON RESTING BLOOD PRESSURE, BLOOD PRESSURE REGULATING MECHANISMS AND CARDIOVASCULAR RISK FACTORS**

V. Cornelissen, R. Fagard (*Leuven, Belgium*)

**11.15 • INCREASED PROTEIN INTAKE FROM LEAN RED MEAT LOWERS BLOOD PRESSURE IN HYPERTENSIVE MEN AND WOMEN**

J.M. Hodgson, V. Burke, L.J. Beilin, I.B. Puddey (*Perth, Australia*)

**11.30 • DOSE-RESPONSE RELATIONSHIP BETWEEN BODY WEIGHT LOSS AND DECREASE IN BLOOD PRESSURE AFTER 6-YEARS OF FOLLOW-UP. THE HARVEST STUDY**

M. Winnicki, L. Mos\*, A. Mazzer\*, M. Mattarei\*, G. De Venuto\*, G. Garavelli\*, A. Bortolazzi\*, G. Zanata\*, F. Pegoraro\*, F. Dorigatti\*, E. Bonso\*, P. Mormino\*, E. Cozzutti\*, A.C. Pessina\*, P. Palatini\* (*Gdansk, Poland; \*Padua, Italy*)

**11.45 • PHYSICAL ACTIVITY AND MAJOR CARDIOVASCULAR EVENTS IN OLDER HYPERTENSIVE PATIENTS WITH ESTABLISHED CORONARY HEART DISEASE. THE PREHACOR STUDY**

J.J. Mourad, N. Danchin\*, H. Gallois\*\*, J. Puel\*\*\*, M. Safar\* (*Bobigny, \*Paris, \*\*Gonesse, \*\*\*Toulouse, France*)

**12.00 • DEBATE:**

**“THE VALUE AND LIMITATIONS OF LIFE STYLE CHANGES IN THE TREATMENT OF HYPERTENSION”**

Pro: D.E. Grobbee (*Utrecht, The Netherlands*)

Con: G.T. McInnes (*Glasgow, UK*)

11.00-12.30

### Isolated office and masked hypertension

Chairmen:

**J.M. Mallion** (*Grenoble, France*)

**P. Palatini** (*Padua, Italy*)

#### General data

P. Palatini (*Padua, Italy*)

#### Prognostic data:

#### Isolated office hypertension: PIUMA study

P. Verdecchia (*Perugia, Italy*)

#### Isolated office hypertension: OvA study

D.L. Clement (*Gent, Belgium*)

#### Masked hypertension: PAMELA study

R. Sega (*Milan, Italy*)

#### Masked hypertension: SHEAF study

J.M. Mallion (*Grenoble, France*)

#### From theory to practice

##### Cases studies

B. Waeber (*Lausanne, Switzerland*)

#### Discussion

Sunday, June 19  
Yellow Hall  
11.00-12.30

## Brain Oral Session 5C

Chairmen:

**A. de la Sierra** (*Barcelona, Spain*)

**M. Volpe** (*Rome, Italy*)

**11.00 • LECTURE:  
"WHITE MATTER LESIONS IN HYPERTENSION"**

A. Coca (*Barcelona, Spain*)

**11.30 • BEAT-TO-BEAT BP VARIABILITY IN THE ACUTE PHASE OF STROKE IS RELATED TO AORTIC STIFFNESS**

D.J. Eveson, T.G. Robinson, J.F. Potter (*Leicester, UK*)

**11.45 • BLOOD PRESSURE IN ACUTE ISCHAEMIC STROKE AND MORTALITY: A STUDY WITH NON INVASIVE BLOOD PRESSURE MONITORING**

M. Sartori, V. Benetton, A.M. Carraro, V. Mascagna, A. Realdi, E. Parotto, G. Strapazon, F. Cattelan, L. Ciccariello, L.A. Calò, A. Semplicini (*Padua, Italy*)

**12.00 • BLOOD PRESSURE IN THE INITIAL PHASE OF ACUTE ISCHAEMIC STROKE: EVOLUTION AND ROLE AS A PROGNOSIS FACTOR**

P. Armario, L.M. Ceresuela, M. Martin-Baranera, R. Hernandez-del-Rey, E. Iribarnegaray, Y. Rando, J. Bello, A. Avila (*Llobregat, Spain*)

**12.15 • APOPTOSIS IS MAINLY INDUCED IN ASTROCYTE BUT NOT MEDIATED VIA ANGIOTENSIN AT1 RECEPTOR AFTER CEREBRAL ISCHEMIA**

J. Li, C. Thöne-Reineke, N. Gerova, M. Timm, M. Zimmermann, M. Krikov, K. Seidel, T. Unger (*Berlin, Germany*)

**Sunday, June 19**  
**Red Hall 1**

## “How to” Session

12.30-13.30

### **How to investigate cognitive impairment/dementia**

Chairman:

**A. Semplicini** (*Padua, Italy*)

Discussants:

**D. Mapelli** (*Padua, Italy*)

**P. Amodio** (*Padua, Italy*)

**Sunday, June 19**  
**Red Hall 2**

## “How to” Session

12.30-13.30

### **How to assess total cardiovascular risk**

Chairman:

**R. Cífková** (*Prague, Czech Republic*)

Discussants:

**A. Linhart** (*Prague, Czech Republic*)

**H. Haller** (*Hannover, Germany*)

**Sunday, June 19**  
**Auditorium**

## Teaching Seminar - Session 2

12.30-14.00

Chairman:

**D.L. Clement** (*Gent, Belgium*)

### **Diagnosis and management of hyperaldosteronism**

A.M. Heagerty (*Manchester, UK*)

### **Hypertension urgencies and emergencies**

C. Farsang (*Budapest, Hungary*)

### **Diagnosis and management of pheochromocytoma**

G. Grassi (*Milan, Italy*)

Sunday, June 19  
Ground Floor  
12.30-15.30

## Blood Pressure Measurements and Haemodynamics

### Poster Session 12

**1 • HOMOGENEITY OF ANTIHYPERTENSIVE EFFECT OF TWO NIFEDIPINE DRUG FORMS**

V. Gorbunov, S. Martsevich, E. Alimova, A. Deev (*Moscow, Russia*)

**2 • COMPARISON OF PULSE PRESSURE MEASUREMENTS OBTAINED IN OFFICE WITH SELF OR AMBULATORY BLOOD PRESSURE MONITORING**

M. Domínguez Sardiña, E. Romera Gómez, R. Díaz Lambarri, J.R. Fernández, A. Mojon (*Vigo, Spain*)

**3 • MYOCARDIAL TISSUE CHARACTERIZATION IN CHRONIC HEART FAILURE: THE INTEGRATED BACKSCATTER ANALYSIS**

C. Giannattasio, A. Capra, D. Corsi, V. Scotti, F. Bianchi, L. Viscardi, M. Alloni, A. Vincenzi, A. Cirò, A. Grieco, G. Mancia (*Milan, Italy*)

**4 • DETERMINANTS OF DIFFERENCES IN CENTRAL PULSE PRESSURE OBTAINED FROM SPHYGMOCOR AND PRESSURE WAVE CALIBRATION**

F. Verbeke, S. Heireman, P. Segers, L.M. Van Bortel (*Gent, Belgium*)

**5 • PHYSICIAN- AND SELF-MEASURED BLOOD PRESSURE CHANGES IN HYPERTENSIVE IN-PATIENTS DURING HOSPITALIZATION**

Y. Kotovskaya, N. Bagmanova, N. Plavunov, Zh. Kobalava (*Moscow, Russia*)

**6 • THE ROLE OF ELECTRIC THORACIC BIOIMPEDANCE IN THE CONTROL OF ARTERIAL HYPERTENSION**

E. Badila, C. Tirziu, M. Stefuriac, A. Georgescu, D. Bartos, M. Dorobantu (*Bucharest, Romania*)

**7 • CONTRIBUTION OF CONTINUOUS 24 HOURS BLOOD PRESSURE MONITORING IN EVALUATING HYPERTENSIVE PATIENTS WITH END ORGAN INVOLVEMENT**

D. Iliescu, G. Datcu, M.D. Datcu, M. Poenaru (*Iasi, Romania*)

**8 • HOME BLOOD PRESSURE MONITORING: A SUITABLE EVALUATION TOOL FOR PROBE DESIGNED TRIALS. COSIMA STUDY**

G. Bobrie, A. Giacomino, N. Postel-Vinay, C. Moulin, R. Asmar (*Paris, France*)

**9 • EFFECT OF SMOKING ON THE AGE RELATED EVOLUTION OF BLOOD PRESSURE**

J.J. Mourad, E.M. Nazal, Y. Gaudouen, E. Leutenegger, M. Safar\*, A. Krivitzky (*Bobigny, \*Paris, France*)

**10 • EFFECTS OF INDAPAMIDE SLOW RELEASE ON AMBULATORY BLOOD PRESSURE AND HEART RATE VARIABILITY IN ELDERLY PATIENTS WITH MILD TO MODERATE HYPERTENSION**

G.I. Storozhakov, O.A. Kisliak, A.M. Alieva (*Moscow, Russia*)

**11 • THE SHORT-TERM REPRODUCIBILITY OF THE WHITE-COAT EFFECT**

A. Adiyaman, I. Aksoy, J.W.M. Lenders, J. Deinum, Th. Thien (*Nijmegen, The Netherlands*)

**12 • THE SHORT-TERM REPRODUCIBILITY OF THE MASKED EFFECT**

A. Adiyaman, I. Aksoy, J.W.M. Lenders, J. Deinum, Th. Thien (*Nijmegen, The Netherlands*)

**13 • THE EFFECT OF CROSSING THE LEGS ON SITTING BLOOD PRESSURE MEASUREMENT**

N. Tosun, A. Adiyaman, L.D. Elving, J.W.M. Lenders, J. Deinum, Th. Thien  
(*Nijmegen, The Netherlands*)

**14 • NUMBER OF HOME MEASUREMENTS NEEDED TO IDENTIFY RESPONDERS IN THE OLMETEL STUDY**

S. Ewald, J. von dem Esche\*, T. Mengden\*\* (*München, \*Bergisch Gladbach, \*\*Bonn, Germany*)

**15 • TIMING OF WAVE REFLECTIONS AND MYOCARDIAL PERFUSION IN PATIENTS WITH SICKLE CELL ANEMIA**

D. Lemogoum, J.R. M'Buyamba-Kabangu\*, L. Van Bortel\*\*, M. Leeman, J.P. Degaute, Ph. van de Borne (*Brussels, Belgium; \*Kinshasa, Zaire; \*\*Gent, Belgium*)

**16 • CHRONOBIOLOGICAL ANALYSIS, HYPERBARIC/HYPOBARIC INDEX, IN EVALUATION OF ANTI-HYPERTENSIVE EFFECT OF LONG-ACTING NIFEDIPINE USING AMBULATORY BLOOD PRESSURE MONITORING**

S. Seki, M. Taniguchi, S. Mochizuki (*Tokyo, Japan*)

**17 • THE RECENTLY IDENTIFIED ENDOTHELIAALLY DERIVED CONSTRICTIVE FACTOR URIDINE ADENOSINE TETRAPHOSPHATE ACTS VIA P2X AND P2Y RECEPTORS**

G. Giebing, M. Toelle, V. Jankowski, J. Jankowski, W. Zidek, M. van der Giet  
(*Berlin, Germany*)

**18 • PRINCIPAL COMPONENTS ANALYSIS FOR CHARACTERISATION OF THE ARTERIAL PRESSURE PULSE**

F. Camacho, A. Avolio, A. Walsh (*Sydney, Australia*)

**19 • A WAVE TRANSMISSION MODEL APPLIED TO ANALYSIS OF THE RADIAL PRESSURE PULSE**

F. Camacho, A. Avolio (*Sydney, Australia*)

**20 • AMBULATORY BLOOD PRESSURE MONITORING AS A PREDICTOR OF THE BLOOD PRESSURE IN ADOLESCENTS: FOLLOWING FOR THREE YEARS**

E. Silva, S. Briceño, J. Villasmil, P. Anahole (*Maracaibo, Venezuela*)

**21 • ISOLATED SYSTOLIC HYPERTENSION IN THE ELDERLY IN THE ZULIA STATE OF VENEZUELA**

E. Silva, S. Briceño (*Maracaibo, Venezuela*)

**22 • CHANGES IN BLOOD PRESSURE VARIABILITY, HEART RATE VARIABILITY AND BAROREFLEX SENSITIVITY ASSOCIATED WITH PHEOCHROMOCYTOMA**

E. Finta, D. Laude\*, S. Alföldi, E. Kun, Z. Járjai, I. Kiss, C. Farsang, J.L. Elghozi\*  
(*Budapest, Hungary; \*Paris, France*)

**23 • BLOOD PRESSURE VARIABILITY IN PATIENTS WITH ESSENTIAL ARTERIAL HYPERTENSION: EFFECTS OF ANTIHYPERTENSIVE THERAPY**

I. Emelyanov, S. Villevalde (*St. Petersburg, Russia*)

**24 • CLINICAL RELEVANCE OF 24-HOUR VARIABILITY OF MYOCARDIAL REPOLARIZATION PROCESSES IN PATIENTS WITH HYPERTENSION**

A. Shabalin, E. Guliaeva (*Kemerovo, Russia*)

**25 • EFFECTS OF 16 WEEKS OF LIFESTYLE MODIFICATION ON CARDIOVASCULAR STRUCTURE AND FUNCTION IN THOSE AT RISK FOR CARDIOVASCULAR DISEASES**

K. Aizawa, M. Marin, I. Torres Castro, M. Lawrence, J. Manley, L. Piche, K. Shoemaker, R. Petrella (*London, Canada*)

**26 • OVERWEIGHT AND OBESITY - THE MOST IMPORTANT RISK FACTORS FOR HYPERTENSION IN ADOLESCENTS**

I. Pecin, B. Heinrich\*, M. Zagrajski-Brkic\*, T. Zeljkovic-Vrkic, B. Jelakovic (Zagreb, \*Slavonski Brod, Croatia)

**27 • DIFFERENT INFLUENCE OF METABOLIC STATUS, JOB STRAIN AND PERSONALITY CHARACTERISTICS ON THE HYPERTENSION RISK**

R. Seibt, K. Scheuch (Dresden, Germany)

**28 • THE CRONOPRES PROJECT. PRELIMINARY DATA FROM FIRST 5000 ABPM RESULTS**

Investigators of the CRONOPRES Project (Sehlehla, Spain)

**29 • LARGE ARTERIES STIFFNESS AND BLOOD FLOW CHARACTERISTIC IN MIDDLE CEREBRAL ARTERY**

A. Kwater, J. Walczewska, T. Grodzicki (Cracow, Poland)

**30 • EVALUATION OF RECOMMENDED INDICATIONS FOR AMBULATORY BLOOD PRESSURE MONITORING IN A NATIONAL HEALTH SERVICE SETTING**

G. Pannarale, L. Gianturco, A. Evangelista, F. Corsi (Rome, Italy)

**31 • EFFECTS OF SMOKING ON ARTERIAL STIFFNESS IN CHRONIC SMOKERS WITH HYPERTENSION**

M. Rhee, B. Park, M. Lee, Y. Kim (Cheonan, Korea)

**32 • MORNING BLOOD PRESSURE ELEVATION IS INFLUENCED BY PRECEEDING CHANGE OF AUTONOMIC CARDIOVASCULAR MODULATION**

T. Takagi, M. Ohishi, N. Itoh, M. Kaibe, Y. Tataru, M. Terai, H. Rakugi, T. Ogihara (Suita, Japan)

**33 • FEASIBILITY AND PHYSICIANS' ACCEPTABILITY OF WEB-BASED HOME BLOOD PRESSURE TELEMONITORING: THE MOREPRESS EXPERIENCE**

S. Omboni, A. Fantoni, E. Puglisi, A. Maronati\*, G. Mancia\*, G. Parati\* (Varese, \*Milan, Italy)

**34 • SIMILAR CLINIC BLOOD PRESSURE CONTROL DO NOT INDICATE THE SAME REDUCTION IN WHOLE-DAY AMBULATORY MONITORING IN MILD TO MODERATE UNCOMPLICATED HYPERTENSIVE PATIENTS: GENDER DIFFERENCES**

S. Etti, G. Zanolini\*, N. Sala\*, C. Formaini Marioni\*, G. Damiani, R. Costa, M. Crippa, R. Fariello\* (Brescia, \*Chiari-BS, Italy)

**35 • HEMODYNAMIC AND METABOLIC EFFECTS OF COMPLEX THERAPY WITH MOXONIDIN AND HORMONAL REPLACEMENT THERAPY IN POSTMENOPAUSAL WOMAN WITH HYPERTENSION**

A.B. Bakhshaliyev, G.M. Sabzaliyeva (Baku, Azerbaijan)

**36 • PREVALENCE OF WHITE COAT HYPERTENSION IN MILD ESSENTIAL HYPERTENSION**

T. Zeljkovic Vrkic, B. Jelakovic, M. Laganovic, M. Kašner, G. Boršo, D. Kuzmanic (Zagreb, Croatia)

**37 • IMPAIRMENT OF THE AMBULATORY BLOOD PRESSURE PARAMETERS IN PATIENTS WITH CONGESTIVE HEART FAILURE**

C. Podoleanu, D. Podoleanu, A. Incze, E. Carasca (Targu Mures, Romania)

**38 • RELATIONSHIP BETWEEN CARDIOVASCULAR RISK FACTORS AND ELEVATED AWAKENING BLOOD PRESSURE**

C. Majul, F. Casas, H. Avaca, O. Manuale, G. Ferrari, S. Pelazas, A. Freijomil, J. Humphreys (Buenos Aires, Argentina)

**39 • CHANGES IN FLOW MEDIATED VASODILATATION DURING ANTIHYPERTENSIVE TREATMENT ARE RELATED TO THE SMOOTHNESS INDEX, BUT NOT THE TROUGH-TO-PEAK RATIO OF BLOOD PRESSURE**

M.L. Muiesan, D. Rizzoni, M. Salvetti, E. Porteri, C. Monteduro, A. Paini, P. Poisa, B. Bonzi, G. Galbassini, E. Agabiti-Rosei (*Brescia, Italy*)

**40 • RELATIONSHIP BETWEEN BMI AND BLOOD PRESSURE IN SCHOOL AGED OF ZANJANIAN CHILDREN**

P. Khoshnevis Asl, H. Babaei, M. Sadeghzadeh, S. Kavandi (*Zanjan, Iran*)

**41 • ASSESSMENT OF HIGH BLOOD PRESSURE RISK FOR STROKE**

B. Fiser, J. Siegelova, J. Dusek, J. Moudr, G. Cornelissen\*, F. Halberg\* (*Brno, Czech Republic; \*Minnesota, USA*)

**42 • AMBULATORY BLOOD PRESSURE MONITORING LASTING SEVEN DAYS**

J. Dusek, J. Siegelova, P. Homolka, B. Fiser, P. Vank, M. Masek, G. Cornelissen\*, F. Halberg\* (*Brno, Czech Republic; \*Minnesota, USA*)

**43 • USE OF AMBULATORY BLOOD PRESSURE MONITORING TO ESTABLISH WHITE COAT EFFECT IN DIABETIC AND NON DIABETIC HYPERTENSIVE PATIENTS**

I. Vagropoulos, M. Giavropoulou, M. Giannadaki, N. Grigoriadis (*Serres, Greece*)

**44 • HOW LONG SHALL THE PATIENT REST BEFORE CLINIC BLOOD PRESSURE MEASUREMENT?**

C. Sala, E. Santin, M. Rescaldani, F. Magrini (*Milan, Italy*)

**45 • NORMALIZATION OF THE SMOOTHNESS INDEX TO IMPROVE ROBUSTNESS AND INTERPRETABILITY**

M. Aboy, J.R. Fernández, R. Hermida (*Vigo, Spain*)

**46 • EFFECTS OF THE CIRCADIAN TIME OF ANTIHYPERTENSIVE TREATMENT ON THE AMBULATORY BLOOD PRESSURE PATTERN OF ELDERLY PATIENTS WITH ESSENTIAL HYPERTENSION**

C. Calvo, R. Hermida\*, D.E. Ayala\*, M. Covelo, M. Rodríguez, A. Mojón\*, J.R. Fernández\*, I. Alonso\*, M.J. Fontao\*, R. Soler\*, J.E. López (*Santiago, \*Vigo, Spain*)

**47 • INTRAFAMILIAL AGGREGATION OF ARTERIAL CHARACTERISTICS**

J. Kucerova, J.A. Staessen\*, T. Kuznetsova\*, L. Thijs\*, M. Maseko\*\*, G. Norton\*\*, K. Stolarz\*\*, W. Wojciechowska\*\*, M. Ticha, R. Fagard\*, K. Kawecka-Jaszcz\*\*, A. Woodiwiss\*\*, J. Filipovsky (*Plzen, Czech Republic; \*Leuven, Belgium; \*\*Cracow, Poland*)

Sunday, June 19  
Ground Floor  
12.30-15.30

## Heart Poster Session 13

**48 • GENETIC PREDISPOSITION TO HYPERTENSION INFLUENCES LEFT VENTRICULAR DIASTOLIC FUNCTION DURING ANTIHYPERTENSIVE THERAPY**  
A. Maresca, E. Laurita, C. Marchesi, F. Solbiati, E. Nicolini, A. Grandi (*Varese, Italy*)

**49 • AEROBIC TRAINING CORRECTS ALTERATIONS IN CARDIAC STRUCTURE INDUCED BY AGE AND HYPERTENSION**  
R. Oliveira, R. Caffaro\*, E. Oliveira\*, S. do Amaral\*\*, L. Michelini\*, V. Lahera, L. Venturini Rossoni\* (*Madrid, Spain; \*Sao Paulo, \*\*Bauru, Brazil*)

**50 • EARLY DETECTION OF HYPERTENSIVE HEART DISEASE BY MEASURING REGIONAL MYOCARDIAL DIASTOLIC DYSFUNCTION**  
J. Separovic-Hanzevacki, M. Cikes, M. Lovric-Bencic, B. Jelakovic, I. Biskup, L. Bobic (*Zagreb, Croatia*)

**51 • HISTORY OF HYPERTENSION AND 5-YEAR NON SUDDEN CARDIOVASCULAR MORTALITY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION**  
G. Berton, R. Cordiano\*, R. Palmieri\*, S. Petucco\*\*, V. Pagliara, A. Biagini\*\*\*, P. Mormino\*\*\*\*, P. Palatini\*\*\*\*\* (*Conegliano-TV, \*Adria-RO, \*\*Bassano-VI, \*\*\*Cairo Montenotte-SV, \*\*\*\*Padua, Italy*)

**52 • DETERMINANTS AND CLINICAL RELEVANCE OF HEART RATE VARIABILITY OVER 24 HOURS IN HYPERTENSIVE PATIENTS**  
G. Bilo, K. Styczkiewicz, A. Giglio, L. Lonati, G. Mancia, K. Kawecka-Jaszcz\*, G. Parati (*Milan, Italy; \*Cracow, Poland*)

**53 • CLINICAL CHARACTERISTICS OF HEART FAILURE PATIENTS IN PRIMARY CARE OFFICES. CARDIOPRES STUDY**  
J. Aznar Costa, G. Rodríguez Roca\*, J.L. Llisterra Caro\*, J. Alonso Moreno\*, S. Lou Arnal\*, A. Raber Bejar\*\*, A. Matali Gilarranz\*, R. De Castellar Sansó\*\* (*Zaragoza, \*Madrid, \*\*Barcelona, Spain*)

**54 • EFFECT OF TREATMENT ON LEFT VENTRICULAR STRUCTURE AND FUNCTION AS ASSESSED BY CONVENTIONAL ECHOCARDIOGRAPHY AND MYOCARDIAL ACOUSTIC DENSITOMETRY IN PATIENTS WITH PRIMARY ALDOSTERONISM**  
M. Salvetti, M.L. Muiesan, A. Paini, C. Monteduro, B. Bonzi, P. Poisa, G. Galbassini, B. Stanga, E. Porteri, D. Rizzoni, M. Castellano, E. Agabiti Rosei (*Brescia, Italy*)

**55 • MITRAL WAVE PROPAGATION VELOCITY: A USEFUL PARAMETER IN DIFFERENTIATING NORMAL FROM "PSEUDO-NORMAL" DIASTOLIC FILLING PATTERNS**  
L. Martins, F. Pinto, J. Santos Mendes (*Santa Maria da Feira, Portugal*)

**56 • TRADITIONAL GREEK DANCES AS AN ALTERNATIVE MODE OF EXERCISE**  
L. Soubassi, S. Soubassi, O. Papazachou, M. Douli, V. Kotsis, S. Nanas, A. Mailis, P. Toutouzias, P. Soubassiss, C. Roussos, D. Kokkinos (*Athens, Greece*)

**57 • CHANGES IN BNP LEVELS FOLLOWING THE ADDITION OF CANDESARTAN CILEXETIL IN DIASTOLIC HEART FAILURE PATIENTS: BASELINE DATA**  
J.P. Baguet, R. Isnard\*, S. Nisse-Durgeat\*\* (*Grenoble, \*Paris, \*\*Puteaux, France*)

**58 • LEFT VENTRICULAR FUNCTION AND GEOMETRIC PATTERNS IN ELDERLY PATIENTS WITH HYPERTENSION**

D. Degli Esposti, E. Strocchi, N. Fiumi, A. Dormi, S. Bacchelli, D. Maione, E. Cosentino, C. Borghi, E. Ambrosioni (*Bologna, Italy*)

**59 • THE PREVALENCE AND RISK FACTORS OF LEFT VENTRICULAR HYPERTROPHY IN CHRONIC RENAL FAILURE**

M. Tase, M. Gjata, A. Idrizi, M. Barbullushi (*Tirana, Albania*)

**60 • CHANGES IN QTC DISPERSION DURING SIX YEARS FOLLOW-UP IN HYPERTENSIVE PATIENTS**

D. Djordjevic, B. Lovic, I. Tasic, S. Ilic, M. Deljanin Ilic (*Niska Banja, Yugoslavia*)

**61 • DIFFERENCE BETWEEN THREE ECHOCARDIOGRAPHIC METHODS OF LEFT VENTRICULAR MASS CALCULATION**

D. Basgopal, A. Safarova, E. Kotrovina, Y. Kotovkaya, Zh. Kobalava, V. Moiseev (*Moscow, Russia*)

**62 • SAFETY AND DIAGNOSTIC VALUE OF DOBUTAMINE STRESS ECHOCARDIOGRAPHY IN PATIENTS WITH HYPERTENSION**

O.O. Nemchyna, M.I. Lutay, O.V. Tsyzh, I.P. Golikova (*Kyiv, Ukraine*)

**63 • LEFT VENTRICULAR STRUCTURE AND FUNCTION AND DEVELOPMENT OF PREGNANCY-RELATED HYPERTENSIVE DISORDERS IN PREGNANT WOMEN WITH ALTERATED UTERO-PLACENTAL FLOW**

D. Degli Esposti, V. Immordino, A. Carletti, T. Galli, A. Dormi, M. Veronesi, S. Bacchelli, C. Borghi, E. Ambrosioni (*Bologna, Italy*)

**64 • MICROALBUMINURIA AND LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVE PATIENTS WITH OBSTRUCTIVE SLEEP APNEA**

O. Ritari, N. Zvartau, Y. Svityaev, N. Merculova, M. Suchina, A. Kalinkin\*, A. Conrady (*St. Petersburg, \*Moscow, Russia*)

**65 • QT INTERVAL DISPERSION AND SIGNAL - AVERAGED ECG PARAMETERS IN HYPERTENSIVE SUBJECTS WITH LEFT VENTRICULAR HYPERTROPHY**

V. Popov, N. Bulanova, N. Kopitsa\*, G. Ivanov, A. Radzevich (*Moscow, Russia; \*Kharkov, Ukraine*)

**66 • EXTENT AND SEVERITY OF CORONARY LESIONS AND CARDIOVASCULAR RISK FACTORS IN HYPERTENSIVE PATIENTS**

H. Jaagus, A. Reinold, S. Margus, A. Ader, S. Sildmäe, M. Kiitam, A. Mesikepp, I. Loogna (*Tallinn, Estonia*)

**67 • INFLAMMATORY RESPONSE IN HYPERTENSIVE PATIENTS WITH STEMI TREATED WITH PRIMARY ANGIOPLASTY**

M. Pyda, M. Lanocha, Z. Sarnowska, O. Trojnariska, J. Witowski, A. Breborowicz, M. Lesiak, S. Grajek, A. Tykarski (*Poznan, Poland*)

**68 • THE TIME INTERVAL BETWEEN THE ONSET OF EARLY DIASTOLIC MITRAL ANNULAR VELOCITY AND MITRAL INFLOW: IS THIS NEW MARKER OF LEFT VENTRICULAR RELAXATION REALLY PRELOAD INDEPENDENT IN HEALTHY SUBJECTS?**

J.C. Lubanda, T. Palecek, A. Linhart, R. Trckova, M. Aschermann (*Prague, Czech Republic*)

**69 • INVOLVEMENT OF CARDIOTROPHIN-1 IN THE CONCENTRIC LEFT VENTRICULAR HYPERTROPHY OF THE SPONTANEOUSLY HYPERTENSIVE RAT**

N. Lopez, J. Diez, M.A. Fortuño (*Pamplona, Spain*)

**70 • EARLY CHANGES IN DIASTOLIC FUNCTION IN PATIENTS WITH BORDERLINE HYPERTENSION**

M. Otljanska, S. Jovanova, E. Hristova, D. Proevska (*Skopje, Rep. of Macedonia*)

**71 • REGRESSION OF LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WHO AGREED TO HAVE REPEAT EXAMINATION AT 5 YEARS AFTER TREATMENT IN SPECIALIZED HYPERTENSIVE UNIT**

G. Radchenko, Yu. Sirenko (*Kiev, Ukraine*)

**72 • ALDOSTERONE RELEASE DURING HEAD UP TILT IS RELATED TO LEFT VENTRICULAR DIASTOLIC FUNCTION**

B.M.W. Schmidt, T. Kalizki, A. Rastätter, T.K. Schwarz, R.E. Schmieder (*Nürnberg, Germany*)

**73 • TRANSIENT MYOCARDIAL ISCHEMIA IS LINKED TO INCREASED WAVE VELOCITY, BUT NOT TO AUGMENTATION INDEX AND STIFFNESS INDEX**

J. Baulmann, R. Homsí, S. Rickert, U. Schillings, S. Ün, R. Düsing, H. Vetter, T. Mengden (*Bonn, Germany*)

**74 • A COMPARISON OF ISCHAEMIC THRESHOLD AS DETERMINED BY EXERCISE TEST AND CARDIOTENS MONITORING IN HYPERTENSIVE PATIENTS**

S. Uen, B. Weisser\*, I. Ün\*\*, J. Baulmann, H. Vetter, T. Mengden (*Bonn, \*Kiel, Germany; \*\*Kocaeli, Turkey*)

**75 • COMPARATIVE STUDY OF ANTIHYPERTENSIVE TREATMENT REGIMENS ON VASCULAR REACTIVITY**

V. Aursulesei, G. Datcu, M.D. Datcu (*Iasi, Romania*)

**76 • THE ROLE OF THREE-DIMENSIONAL ECHOCARDIOGRAPHY IN THE LEFT VENTRICULAR MASS EVALUATION. A COMPARISON WITH MAGNETIC RESONANCE IMAGING**

M. Saidova, J. Botvina, O. Stukalova, V. Sinitin (*Moscow, Russia*)

**77 • CORONARY ANGIOGRAPHY IN HYPERTENSIVE PATIENTS. IS LEFT VENTRICULAR HYPERTROPHY CORRELATED WITH PREVALENCE AND SEVERITY OF CORONARY ARTERY DISEASE?**

P. Nowicki, J. Arkowski, A. Derkacz, H. Nowosad (*Wroclaw, Poland*)

**78 • HEART REMODELLING AND TARGET BLOOD PRESSURE IN HYPERTENSIVE PATIENTS**

V. Paulava, I. Korobko, M. Liventseva, T. Nechesova (*Minsk, Belarus*)

**79 • ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE IN ITALIAN HYPERTENSIVE PATIENTS - THE HEALTH ECONOMIC PERSPECTIVE**

M. Lamotte, L. Annemans, T. Evers\*, M. Kubin\* (*Brussels, Belgium, \*Wuppertal, Germany*)

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

L. Martins, F. Pinto, J. Santos Mendes (*Santa Maria da Feira, Portugal*)

**81 • SILDENAFIL PROMOTES BRACHIAL ARTERY VASODILATATION SIMILAR TO ENDOGENOUS NO IN REFRACTORY HYPERTENSIVES**

J. Yugar-Toledo, S. Ferreira-Melo, O. Rizzi Coelho, M. Irigoyen\*, H. Moreno Jr. (Campinas SP, \*São Paulo, Brazil)

**82 • ENDOTHELIAL FUNCTION IN HYPERTENSIVE AND NORMOTENSIVE POSTMENOPAUSAL WOMEN**

O. Kolesnik, E. Baranova, O. Bolshakova, A. Katsap (St. Petersburg, Russia)

**83 • RELATIONSHIP OF THE TOTAL CARDIOVASCULAR RISK INDEX WITH THE RETINAL ARTERIOVENOUS RATIO IN GRADE I-II HYPERTENSION**

M. Rodríguez Fernández, A. Pose Reino, F. Gómez Ulla, B. Hayik, I. Méndez Naya, J.C. Estévez, J. Lado, C. Pastor (Santiago de Compostela, Spain)

**84 • EVIDENCE FOR CONSTRICTIVE ET-B RECEPTORS IN THE SKIN MICROCIRCULATION OF PATIENTS WITH ATHEROSCLEROSIS**

A. Mitchell, U. Ruzhentsova, N. Detmer, T. Philipp, R.R. Wenzel\* (Essen, Germany; \*Zell am See, Austria)

**85 • IMPROVEMENT OF VASCULAR REACTIVITY BY PROPRANOLOL IN HYPERTENSION INDUCED BY PROLONGED NITRIC OXIDE BLOCKADE**

F.B.M. Priviero, F.Z.T. Monica, C.E. Teixeira\*\*, M.A. Claudino, G. De Nucci, A. Zanesco\*, E. Antunes (Campinas SP, \*Rio Claro, Brazil; \*\*Augusta, GA, USA)

**86 • THE RELATIONSHIP BETWEEN ENDOTHELIUM-DEPENDENT VASODILATION AND HYPERTROPHY WALL OF VESSELS**

T. Ripp, V. Mordovin, M. Soldatenko, R. Karpov (Tomsk, Russia)

**87 • INCREASED CIRCULATING CONCENTRATIONS OF ASYMMETRIC DIMETHYL ARGININE (ADMA) IN WHITE COAT HYPERTENSION**

A. Curgunlu, H. Uzun, I. Bavunoglu, Y. Karter, H. Genc, S. Vehid (Istanbul, Turkey)

**88 • RELATIONSHIP OF THE RETINAL ARTERIOVENOUS RATIO WITH OTHER VASCULAR RISK FACTORS IN HYPERTENSIVE PATIENTS**

A. Pose-Reino, M. Rodríguez Fernández, F. Gómez Ulla, B. Hayik, J.C. Estévez, I. Méndez Naya, J.M. López Pérez, J.M. López Lago (Santiago de Compostela, Spain)

**89 • ENDOTHELIAL DYSFUNCTION AND INFLAMMATORY MARKERS IN HYPERTENSIVE PATIENTS WITH THE CHRONIC HEART FAILURE**

D. Skultetyova, S. Filipova, I. Riečansky (Bratislava, Slovakia)

**90 • INFLAMMATION MEDIATES THE LINK BETWEEN ENDOTHELIAL DYSFUNCTION AND MILD TO MODERATE RENAL INSUFFICIENCY IN ESSENTIAL HYPERTENSION**

F. Perticone, R. Maio, G. Tripepi, C. Zoccali (Reggio Calabria, Italy)

**91 • ASSESSMENT OF NO-SYNTHASE GENE POLYMORPHISM WITH VASOPROTECTIVE EFFICIENCY OF NEBIVOLOL IN HYPERTENSIVE PATIENTS**

M. Eliseyeva, G. Khamidullaeva, I. Karimova, G. Abdullaeva (Tashkent, Uzbekistan)

**92 • A SHORT-TERM IMPROVEMENT OF ENDOTHELIAL DYSFUNCTION IN RHEUMATOID ARTHRITIS BY INFLIXIMAB**

N. Komai, Y. Morita, T. Sakuta, A. Kuwabara, T. Sasaki, N. Kashihara (*Kurashiki-shi, Japan*)

**93 • ENDOTHELIAL DYSFUNCTION IN MITOCHONDRIAL DISEASES: BIOLOGICAL AND BIOCHEMICAL EVIDENCE OF INCREASED OXIDATIVE STRESS AND PEROXYNITRITE GENERATION**

P. Minuz, G. Vartemi, M. Riccadonna, G. Arcaro, P. Tonin, A. Menguzzi, A. Lechi, N. Rizzuto, G. Tomelleri (*Verona, Italy*)

**94 • PRESENCE OF LOW FLOW-MEDIATED DILATION IN SUBJECTS WITH LOW BLOOD PRESSURE**

M. Laclaustra, J.C. Kaski\*\*, P.G. Masci\*\*, A. Frangi\*, J.A. Casasnovas, I.J. Ferreira, P. Cia (*Zaragoza, \*Barcelona, Spain; \*London, UK*)

**95 • RAMIPRIL DOSE-DEPENDENTLY INCREASES NITRIC OXIDE AVAILABILITY IN THE RADIAL ARTERY OF ESSENTIAL HYPERTENSIVE PATIENTS**

L. Ghiadoni, A. Magagna, D. Versari, I. Kardasz, Y. Plantinga, A. Virdis, S. Taddei, A. Salvetti (*Pisa, Italy*)

**96 • FIXED COMBINATION OF PERINDOPRIL AND INDAPAMIDE IMPROVES ENDOTHELIUM-DEPENDENT VASODILATION OF BRACHIAL ARTERY IN HYPERTENSION**

L. Ghiadoni, I. Kardasz, A. Magagna, S. Taddei, A. Salvetti (*Pisa, Italy*)

**97 • LOCAL PERFUSION IN THE FINGERTIP: A NEW TECHNIQUE FOR ENDOTHELIAL FUNCTION ASSESSMENT**

E. Lima Jr., J.R. Faria Neto, M.O. Nogueira, C.A. Engelhorn (*Curitiba, Brazil*)

**98 • PERIPHERAL ARTERIAL BLOOD FLOW AND ENDOTHELIUM-DEPENDENT VASODILATION IN PATIENTS WITH ESSENTIAL HYPERTENSION**

I. Shkurat (*Kyiv, Ukraine*)

**99 • RELATION BETWEEN CORONARY FLOW RESERVE AND MIDWALL MECHANICS**

A. D'Errico, M. Galderisi, S. Cicala, C. Romano, M. Sidiropoulos, M. Pardo, G. de Simone, O. de Divitiis (*Naples, Italy*)

**100 • DIURNAL INTERLEUKIN-6 PROFILE AFFECTS BASELINE C-REACTIVE PROTEIN LEVEL IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA BUT NOT IN PATIENTS WITH ESSENTIAL HYPERTENSION**

P. Jedrusik, H. Berent, K. Kuczynska, M. Dutkiewicz-Raczkowska, B. Symonides, J. Lewandowski, P. Gryglas, B. Wocial (*Warsaw, Poland*)

**101 • NOCTURNAL INTERLEUKIN-6 PEAK IN PATIENTS WITH ESSENTIAL HYPERTENSION IS SIGNIFICANTLY HIGHER IN NON-DIPPERS COMPARED TO DIPPERS**

P. Jedrusik, M. Dutkiewicz-Raczkowska, H. Berent, K. Kuczynska, B. Symonides, P. Gryglas, J. Lewandowski, B. Wocial (*Warsaw, Poland*)

**102 • IMPROVEMENT OF CORONARY FLOW RESERVE AFTER SHORT-TERM SIMVASTATIN IN HYPERTENSIVE-HYPERCHOLESTEROLEMIC PATIENTS**

M. Galderisi, S. Mondillo\*, S. Cicala, M. Parisi, A. D'Errico, P. Inelli, F. Dello Vicario, G. de Simone, O. de Divitiis (*Naples, \*Siena, Italy*)

**103 • IMPACT OF VITAMIN C AS AN ANTIOXIDATIVE AGENT ON RENAL HAEMODYNAMICS IN NORMOTENSIVE AND HYPERTENSIVE SUBJECTS**

T.G. Schäufele, C. Delles, B.M.W. Schmidt, E.H. Fleischmann, R.E. Schmieder (*Erlangen, Germany*)

**104 • HAEMOSTASIS BALANCE DISORDERS IN SUBJECTS WITH WHITE-COAT HYPERTENSION**

T. Makris, E. Gialafos, E. Sanidas, P. Krespi, I. Paizis, O. Papazachou, A. Hatzizacharias, V. Votteas (*Athens, Greece*)

**105 • INVOLVEMENT OF VON WILLEBRAND FACTOR AND ACTIVATED THROMBOCYTES IN HYPERTENSIVE PATIENTS WITH TYPE 2 DIABETES MELLITUS**

A. Vintila, M. Muraru, S. Avram, H. Bumbea, I. Culea, I. Bruckner Coltea (*Bucharest, Romania*)

**106 • ENDOTHELIAL FUNCTION EVALUATION OF NORMOTENSIVE SUBJECTS WITH AND WITHOUT FAMILIAL HISTORY OF HYPERTENSION AND ITS ASSOCIATION WITH ANGIOTENSIN-I CONVERTING ENZYME PROFILE IN URINE**

D.E. Casarini, A.M.S. Teixeira, F.B. Fernandes, D.M.J. Christofalo, S.A. Ajzen, F.L. Plavnik (*Sao Paulo, Brazil*)

**107 • AT-1 RECEPTOR ANTAGONISM WITH CANDESARTAN CILEXITIL IMPROVES ENDOTHELIAL FUNCTION IN PATIENTS WITH HYPERTENSION AND CORONARY ARTERY DISEASE: A DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL**

L. Corrado, P. Perrone Filardi, G. Brevetti, A. Silvestro, M. Cafiero, G. Caiazzo, A. Petretta, M. Polimeno, A. Zarrilli, R. Camerino, A. Maglione, C. Monda, G. Guerra, G. Fiumara, M. Chiariello (*Naples, Italy*)

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(*Gdansk, \*Sopot, Poland*)

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(*Thessaloniki, Greece*)

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M. Yassen\* (*Tokyo, Japan; \*Urmuqi, China*)

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S. Benkhedda, A. Chibane, A. Atif, M. Temmar, T. Aicheur, N. Bendaoud, S. Latreche,  
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P. Saudan, M. Kossovski, G. Halabi\*, J.P. Wauters\*\*, P.Y. Martin (*Geneva, \*Lausanne, \*\*Bern, Switzerland*)

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P. Lazzari, A. Zoppi\*, R. Fogari\* (*Cremona, \*Pavia, Italy*)

**117 • INCREASED HEART RATE AND PULSE PRESSURE AS RISK FACTORS FOR FUTURE DEVELOPMENT OF ISOLATED SYSTOLIC HYPERTENSION IN PATIENTS TREATED FOR DIASTOLIC HYPERTENSION**

T. Makris, V. Kikilias, P. Krespi, D. Papadopoulos, E. Gialafos, O. Papazachou,  
A. Hatzizacharias, V. Votteas (*Athens, Greece*)

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C. Borghi, M.G. Prandin, C.T. Tsamita, A. Dormi, D. Degli Esposti, E. Cosentino,  
M. Veronesi, E. Ambrosioni (*Bologna, Italy*)

**119 • WHICH FACTORS CAN PREDICT THE DEVELOPMENT OF CARDIOVASCULAR DISEASES IN HYPERTENSIVE PATIENTS?**

M. Domenech, J. Sobrino, J. Plana, A. Felip, M.J. Adrian, M. Casas, A. Minguez, J. Modol, A. Pelegri, G. Pou, J. Soler, J. Vila, J. Roma, A. Coca (*Barcelona, Spain*)

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S. Ragot, S. Om\*, J.C. Aldigier\*\*, D. Herpin (*Poitiers, \*Paris, \*\*Limoges, France*)

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A. Melo, A. Nogueira, E. Muxfeldt, G. Salles, K. Bloch (*Rio de Janeiro, Brazil*)

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J.P. Gervasoni, P. Bovet, A. Rwebogora\*, M. Mashombo\*, F. Paccaud (*Lausanne, Switzerland; \*Dar es Salaam, Tanzania*)

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H. Zhang, X. Li, J. Huang, Y. Li\*, L. Thijs\*\*\*, Z. Wang, S. Xie\*\*, J. Staessen\*\*\*, J. Wang\* (*Nanjing, \*Shanghai, \*\*Taicang, China; \*\*\*Leuven, Belgium*)

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A. Black, L. Murray, G. Davey Smith\*, C. Cardwell, P. McCarron (*Belfast, \*Bristol, UK*)

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A. Micheli, M. Doumas, A. Tsakiris\*, S. Douma\*, A. Hounta\*, Ang. Papadopoulos\*, N. Spathari, F. Ploiarhopoulou\*, Ant. Papadopoulos\*, H. Giamarellou\* (*Alexandroupolis, \*Athens, Greece*)

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K. Asayama, T. Ohkubo, M. Kikuya, H. Metoki, T. Obara, H. Hoshi\*, J. Hashimoto, K. Totsumi, H. Satoh, Y. Imai (*Sendai, \*Ohasama, Japan*)

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A. Atallah, J. Inamo\*, T. Lang\*\*, L. Larabi\*\*\*, G. Chatellier<sup>o</sup>, J.E. Rozet, R. DeGaudemaris\*\*\* (*Basse-Terre, Guadeloupe; \*Fort de France, \*\*Toulouse, \*\*\*Grenoble, <sup>o</sup>Paris, France*)

**128 • CONTROL OF CARDIOVASCULAR RISK FACTORS AMONG HYPERTENSIVES ATTENDED AT HYPERTENSION UNITS IN SPAIN. THE CORIVA STUDY**

J.R. Banegas, L.M. Ruilope, O. Vegazo, R. Fernández, B. De Rivas, C. Ovejero (*Madrid, Spain*)

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M.J. Núñez, J. Paz\*, B. Castro, J.C. García, A. López, J. Fraile, A. Blanco, M.C. Mella (*Vilagarcía de Arousa, \*Pontevedra, Spain*)

**130 • LEFT VENTRICULAR HYPERTROPHY BY SOKOLOV-LYON VOLTAGE CRITERIA PREDICTS STROKE MORTALITY IN OVERWEIGHT HYPERTENSIVE SUBJECTS**

R. Antikainen, T. Grodzicki\*, A. Palmer\*\*, D.G. Beevers\*\*\*, C.J. Bulpitt\*\* (*Oulun Kaupunki, Finland; \*Cracow, Poland; \*\*London, \*\*\*Birmingham, UK*)

**131 • HYPERTENSION AND BODY MASS INDEX IN TYPE 2 DIABETES: A CASE CONTROL STUDY IN A GUADELOUPEAN POPULATION**

J. Deloumeaux, E. Ninin, A. Blanchet-Deverly, L. Foucan (*Pointe-à-Pitre, Guadeloupe*)

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**133 • PREVALENCE AND CAUSES OF HYPOKALEMIA IN A GREEK HYPERTENSIVE POPULATION**

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**134 • ETHNIC DIFFERENCES IN CORONARY HEART DISEASE IN THE MALE POPULATION OF TALLINN (ESTONIA): 15 YEARS TRENDS**

J. Abina, O. Volozh, E. Solodkaya, M. Saava (*Tallinn, Estonia*)

**135 • MENOPAUSE AND HYPERTENSION: ENALAPRIL EFFECTS ON THE ESTROGENIC AXIS AND BLOOD PRESSURE**

J. Zilberman, A. Villamil, E. Bustamante, M. Possiel, S. Kuznicki, G. Tripicchio, R. Sanchez, A. Ramirez (*Buenos Aires, Argentina*)

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D.E. Grobbee, C.S.P.M. Uiterwaal (*Utrecht, The Netherlands*)

**137 • ASSOCIATED RISK FACTORS OF ARTERIAL HYPERTENSION IN THE POPULATION LIVING IN THE RADIONUCLIDE CONTAMINATED TERRITORY**

V.P. Podpalov, A.D. Deev\*, A.I. Stchastlivenko (*Vitebsk, Belarus; \*Moscow, Russia*)

**138 • THE OSCAR STUDY - CARDIOPROTECTIVE MANAGEMENT AND TREATMENT OF HYPERTENSIVE PATIENTS IN PRIMARY PREVENTION**

O. Dubourg, S. Nisse-Durgeat\* (*Boulogne Billancourt, \*Puteaux, France*)

**139 • FAILURE OF ANTIHYPERTENSIVE TREATMENT: WHAT DO PATIENTS THINK?**

S. Laurent, S. Consoli, F. Allaert\*, I. Leurs\*\* (*Paris, \*Dijon, \*\*Rueil-Malmaison, France*)

**140 • ACTIVITY IN HYPERTENSIVE PATIENTS OF TWO ERYTHROCYTE ENZYMES INVOLVED IN CELL VIABILITY ASSOCIATED WITH AGEING**

A. Pereira da Silva, R. Carvalho, M.C. Bicho, J. Neves, T. Fonseca, J.P. Gorjão Clara, M.P. Bicho (*Lisbon, Portugal*)

**141 • EXTENT OF BLOOD PRESSURE CONTROL IN US ADULTS WITH HYPERTENSION AND METABOLIC SYNDROME**

R. Chen, A. Smitten\* (*Princeton, NJ, \*Boston, MA, USA*)

**142 • REGIONAL DIFFERENCES IN THE PREVALENCE OF PREECLAMPSIA IN RELATION TO THE RISK FACTORS FOR CORONARY ARTERY DISEASE IN WOMEN IN FINLAND**

R. Kaaja, T. Kinnunen\*, R. Luoto\* (*Helsinki, \*Tampere, Finland*)

**143 • SCREENING OF REGIONAL HYPERTENSION BASED ON HOME BLOOD PRESSURE MONITORING. OJIKI STUDY**

T. Shinagawa, S. Suzuki\*, T. Tanaka\*\*, K. Yano\* (*Higashisonogi, \*Nagasaki, \*\*Kitamatsura, Japan*)

**144 • GENDER DISPARITIES IN THE CONTROL OF BLOOD PRESSURE AND OTHER RISK FACTORS IN PATIENTS WITH EXISTING CARDIOVASCULAR DISEASE IN FAMILY PRACTICE**

C. Reid, S. Birrel, M. Robotin, G. Jennings (*Melbourne, Australia*)

**145 • CARDIOVASCULAR EVENTS IN ONE 11 YEARS FOLLOWED-UP COHORT OF HYPERTENSIVE. A DESCRIPTIVE STUDY**

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(*Barcelona, Spain*)

**146 • SOCIAL-ECONOMIC STRESS AND HYPERTENSION RELATED VARIABLES: EPIDEMIOLOGY STUDY IN ONE MOSCOW CITY SUBURBAN TOWN**

N. Eliseeva, A. Britov, A. Deev, A. Orlov (*Moscow, Russia*)

**147 • HYPERTENSIVE PATIENTS WITH RAISED PLASMA LEVELS OF BRAIN NATRIURETIC PEPTIDE ARE IN HIGHER RISK FOR PAROXYSMAL ATRIAL FIBRILLATION**

A. Hatziyianni, C. Tsioufis, M. Toutouza, C. Vasiliadi, J. Kallikazaros, C. Stefanadis, P. Toutouzas (*Athens, Greece*)

**148 • IS THERE ANY ASSOCIATION BETWEEN PULSE PRESSURE AND FIBRINOGEN LEVELS IN INDIVIDUALS WITH DIFFERENT TYPES OF ESSENTIAL HYPERTENSION?**

V. Karagkiozaki, L. Mporgi, A. Gotsis, M. Passalidou, S. Terzi, S. Haritos, I. Koukoutsis, I. Litsas, O. Koutsogiannis (*Iasmos, Greece*)

**149 • PREVALENCE, AWARENESS, TREATMENT AND CONTROL OF HYPERTENSION IN TURKEY (Patent)**

B. Altun, M. Arici, G. Nergizoglu, U. Derici, O. Karatan, C. Turgan, S. Sindel, B. Erbay, E. Hasanoglu, S. Caglar (*Ankara, Turkey*)

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A. Barbaryan, S. Barsamyan, T. Uzunyan, H. Manjikyan, Z. Hakobyan, A. Potosyan, P. Zelveian (*Yerevan, Armenia*)

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N. Gotcheva, B. Georgiev, D. Gotchev, I. Ivanov, Il. Tomov, N. Penkov\* (*Sofia, \*Varna, Bulgaria*)

**152 • RENAL EXTRACTION OF BRAIN NATRIURETIC PEPTIDE (BNP) AND NT-proBNP IS NOT RELATED TO RENAL FUNCTION**

R.R.J. van Kimmenade, J.A. Bakker, A.J.H.M. Houben, A.A. Kroon, H.J.G.M. Crijns, P. van Dieijen, Visser, P.W. de Leeuw, Y.M. Pinto (*Maastricht, The Netherlands*)

**153 • CARDIOVASCULAR RISK ASSESSMENT IN ASYMPTOMATIC PEOPLE**

R. Zivkovic, Lj. Suric, Lambic\*, M. Ugljesic, J. Nisevic, G. Dragasevic, O. Milovic (*Belgrade, Yugoslavia*)

**154 • NADPH OXIDASE-DEPENDENT SUPEROXIDE PRODUCTION ASSOCIATES WITH CAROTID INTIMA-MEDIA THICKNESS IN SUBCLINICAL ATHEROSCLEROSIS**

M.U. Moreno, G. San José, A. Montoya, R. Ros, J. Diez, A. Fortuño, G. Zalba (*Pamplona, Spain*)

**155 • THYROID DISEASE IN ESSENTIAL HYPERTENSIVE SUBJECTS: EFFECT ON TARGET ORGAN DAMAGE**

E. Vezali, C. Tsioufis, G. Hartzoulakis, L. Naoumidou, D. Chatzis, P. Stougiannos, I. Vlasseros, S. Lalos, A. Moulakakis, P. Toutouzas, C. Stefanadis, I. Kallikazaros (*Athens, Greece*)

**156 • METABOLIC SYNDROME DEFINED BY THE ATP III: THE EFFECT OF ITS DIFFERENT COMPONENTS ON TARGET ORGAN DAMAGE IN UNTREATED ESSENTIAL HYPERTENSIVE PATIENTS**

C. Lambropoulos, C. Tsioufis, G. Hartzoulakis, K. Dimitriadis, D. Chatzis, E. Taxiarchou, P. Stougiannos, A. Kakkavas, C. Stefanadis, I. Kallikazaros (*Athens, Greece*)

**157 • MANAGEMENT OF GLOBAL CARDIOVASCULAR RISK IN HYPERTENSIVE PATIENTS - COMPARISON BETWEEN MALE AND FEMALE GPs: VERSUS STUDY**

J.P. Baguet, C. Mounier Vehier\*, B. Fiquet\*\*, C. Yau\*\*, K. Martin\*\*, A. Francillon\*\* (*Grenoble, \*Lille, \*\*Rueil Malmaison, France*)

**158 • RISK FACTORS AND PREDICTORS OF HYPERTENSION IN ELDERLY: A LARGE CROSS-SECTIONAL STUDY FROM TURKEY**

Z. Ulger, M. Halil, M. Cankurtaran, B.B. Yavuz, D. Dede, N. Ozkayar, S. Ariogul (*Ankara, Turkey*)

**159 • FACTORS THAT INFLUENCE PHYSICIAN DECISION MAKING IN A HYPERTENSION SPECIALTY CLINIC**

K. Bailey, R. Dobrow, B. Grossard, J. Graves (*Rochester, MN, USA*)

**160 • SEPHAR - STUDY FOR EVALUATION OF PREVALENCE OF HYPERTENSION AND CARDIOVASCULAR RISK IN AN ADULT POPULATION IN ROMANIA**

M. Dorobantu, R. Darabont, E. Badila, C. Ginghina, K. Babes\*, E. Apetrei, D.D. Ionescu°, I.G. Petrovai (*Bucharest, \*Oradea, °Craiova, Romania*)

**161 • PREDICTIVE VALUE OF MORNING PLASMA ALDOSTERONE AND POSTURAL STIMULATION TEST IN SUBTYPING PRIMARY ALDOSTERONISM**

I. Plamondon, M. Agharazii, P. Douville, M. Lebel (*Quebec, Canada*)

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M. Martinovic, S. Pantovic (*Podgorica, Yugoslavia*)

**163 • PREVALENCE OF ARTERIAL HYPERTENSION AND LIPID PROFILE IN HIV PATIENTS**

A. Coloma, A. Roca-Cusachs, P. Domingo, M.T. Alvarez-Albarran, M.T. Benet, M.J. Solé, A. Lacal (*Barcelona, Spain*)

**164 • PREVALENCE OF OBSTRUCTIVE SLEEP APNEA AMONG PATIENTS WITH RESISTANT ARTERIAL HYPERTENSION. EFFECTS OF CPAP ON BLOOD PRESSURE**

J. Almirall, M.J. Masdeu, A. Ferrer, J.C. Martinez-Ocaña, T. López, T. Prats, M. Arranz, M. García, A. Marin (*Sabadell, Spain*)

**165 • MATRIX METALLOPROTEINASES IN HYPERTENSIVE PATIENTS**

E. Kolosov, N. Belaya, O. Kovalyova, E. Bolokadze (*Kharkov, Ukraine*)

**166 • CONTROL OF CARDIOVASCULAR RISK FACTORS IN TREATED HYPERTENSIVE PATIENTS IN SPANISH PRIMARY CARE SETTING**

M. Luque, on behalf the VASHTA Investigators (*Madrid, Spain*)

**167 • GLOBAL CARDIOVASCULAR RISK IN HYPERTENSIVES AS A GUIDE TO MANAGEMENT: IMPORTANCE OF THE ASSESSMENT OF TARGET ORGAN DAMAGE**

M. Luque, B. de Rivas, B. Alvarez, G. Garcia, C. Fernandez, N. Martell (*Madrid, Spain*)

**168 • RISK FACTORS FOR CARDIOVASCULAR DISEASE AND ASSOCIATED CLINICAL CONDITIONS IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA**

S. Vazquez, A. Oliveras, H. Cao, M.J. Soler, J. Lloveras (*Barcelona, Spain*)

**169 • POLYMORPHISMS OF XANTHINE OXIDASE GENE, BLOOD PRESSURE VALUES AND OXIDATIVE STRESS IN ESSENTIAL HYPERTENSION**

F. Chaves, S. Blesa, D. Corella, V. Gonzalez-Albert, M.C. Tormos, V. Giner, G. Zalba\*, J. Diez\*, G. Saez, J. Redon (*Valencia, \*Pamplona, Spain*)

**170 • WHICH RATIO OF PLASMA ALDOSTERONE TO PLASMA RENIN ACTIVITY PREDICTS ADRENAL GLAND ABNORMALITIES IN COMPUTED TOMOGRAPHY IN PATIENTS WITH PRIMARY HYPERALDOSTERONISM?**

J. Chudek, M. Kukla, J. Witkiewicz, M. Zarzecki, F. Kokot, A. Wiecek (*Katowice, Poland*)

**171 • SALT SENSITIVITY DETERIORATES CARDIO-VASCULAR RISK PROFILE OF POSTMENOPAUSAL WOMEN: A LONG-TERM PROSPECTIVE STUDY**

P. Aranda, F.J. Aranda, E. Lopez de Novales, M.A. Frutos (*Malaga, Spain*)

**172 • PATIENTS WITH NEVER TREATED WHITE COAT HYPERTENSION DO HAVE INCREASED CONCENTRATIONS OF B-TYPE NATRIURETIC PEPTIDE AND C-REACTIVE PROTEIN**

D. Conen, T. Dieterle, M. Rimner, K. Utech\*, M. Pfisterer, B. Martina (*Basel, \*Bruderholz, Switzerland*)

**173 • IS AN INCREASE OF EARLY MORNING SURGE IN BLOOD PRESSURE ASSOCIATED WITH CARDIOTENS DETECTED ST SEGMENT DEPRESSION?**

S. Uen, S. Asghari, I. Un\*, B. Baulmann, H. Vetter, T. Mengden (Bonn, Germany); \*Kocaeli, Turkey)

**174 • IMPACT OF RILMENIDINE ON QUALITY OF LIFE IN PERIMENOPAUSAL WOMEN WITH HYPERTENSION**

K. Kawecka-Jaszcz, D. Czarnecka, M. Klocek, M. Zabojszcz, A. Stochmal, R. Jaworski\*, R. Pachocki\* (Cracow, \*Warsaw, Poland)

**175 • ASSOCIATIONS OF PSYCHOPHYSIOLOGICAL FUNCTIONS WITH RISK FACTORS IN PATIENTS WITH ESSENTIAL HYPERTENSION**

A. Shabalin, E. Guliaeva (Kemerovo, Russia)

**176 • CARDIOVASCULAR RISK ASSESSMENT IN HYPERTENSIVE PATIENTS: DIFFERENT OUTCOMES ACCORDING TO EUROPEAN SOCIETY OF HYPERTENSION AND SCORE STRATEGIES**

A. Persu, W. Vinck\*, J.-F. De Plaen (Brussels, \*Wilrijk, Belgium)

**177 • POTENTIAL BARRIERS TO ADEQUATE BLOOD PRESSURE CONTROL IN HYPERTENSIVE PATIENTS IN PRIMARY CARE**

S.C. Dean, P. Oakeshott, S.M. Kerry, G. Rowlands, F. P. Cappuccio (London, UK)

**178 • HYPERTENSION, COGNITIVE FUNCTION AND DAILY ABILITIES IN ELDERLY SUBJECTS**

F. D'Amico, R. Giuffrida (Messina, Italy)

**179 • EFFECTIVENESS OF COMBINED THERAPY WITH CARVEDILOL AND LISINAPRIL IN TREATMENT OF HYPERTENSIVE PATIENTS WITH CHRONIC CARDIAC FAILURE**

S.V. Gurgenyanyan, S.Kh. Vatinyan, K.G. Nikogosyan, L.B. Edilyan, B.G. Chobanyan (Yerevan, Armenia)

**180 • PHYSICAL EXERCISE DOES NOT HELP REDUCE BLOOD PRESSURE IN VERY ELDERLY POPULATIONS**

E. Leibovitz, D. Manevich\*, R.J. Viskoper\*\*, D. Gavish (Holon, \*Hertselia, \*\*Tel Aviv, Israel)

**181 • A COMPARATIVE STUDY OF BLOOD PRESSURE LEVELS DURING ACUTE ISCHEMIC CEREBRAL VASCULAR ACCIDENTS AND 4 DAYS AFTER, BASED ON OSCILLOMETRIC METHOD WITH 24h MONITORING**

N. Lionakis, G. Gavrielatos, D. Avramidis, V. Tsiavos, I. Ioannidis, N. Komitopoulos, E. Varsamis (Athens, Greece)

**182 • VARIABILITY OF RENAL VASCULAR RESISTANCE IN THE DOPPLER CAPTOPRIL TEST AS A MARKER OF VASCULAR LESIONS IN PATIENTS WITH ESSENTIAL HYPERTENSION - PRELIMINARY REPORT**

A. Lubas, G. Zelichowski, Z. Wankowicz (Warsaw, Poland)

**183 • THE COM99 STUDY RESULTS: A CLUSTER-RANDOMIZED TRIAL OF AN INTERVENTION TO IMPROVE ADHERENCE TO ANTIHYPERTENSIVE DRUGS AMONG PATIENTS AT HIGH CARDIOVASCULAR RISK**

M. Pladevall<sup>1</sup>, C. Brotons<sup>10</sup>, R. Gabriel<sup>8</sup>, A. Leiva<sup>5</sup>, J. Sobrino<sup>11</sup>, C. De la Sen Fernandez<sup>2</sup>, A. Garcia<sup>3</sup>, M. Perez<sup>4</sup>, E. Llargues<sup>6</sup>, R. Sans<sup>7</sup>, I. Blasco<sup>8</sup>, P. Horcajo<sup>4</sup>, P. Rodriguez<sup>9</sup>, M. Serrarols<sup>5</sup>, J.L. Anton<sup>8</sup> (<sup>1</sup>Detroit, MI, USA; <sup>2</sup>Alicante, <sup>3</sup>Elda, <sup>4</sup>Guadalajara, <sup>5</sup>Vic, <sup>6</sup>Granollers, <sup>7</sup>Figueres, <sup>8</sup>Madrid, <sup>9</sup>Seoane de Caurel, <sup>10</sup>Barcelona, <sup>11</sup>Santa Coloma de Gramanet, Spain)

**184 • RENOVASCULAR HYPERTENSION TREATED WITH LAPAROSCOPIC ADRENALECTOMY - CASE REPORT**

M. Otto, M. Peczkowska, A. Januszewicz, J. Dzwonkowski, T. Ciacka, M. Januszewicz, H. Janaszek-Sitkowska, R. Mielniczuk, J. Szmidt (*Warsaw, Poland*)

**185 • SAFETY AND EFFICACY OF LAPAROSCOPIC ADRENALECTOMY IN PATIENTS WITH DIFFERENT FORMS OF HORMONAL HYPERTENSION AND INCIDENTALOMAS**

M. Otto, A. Kasperlik-Zaluska, A. Januszewicz, M. Peczkowska, M. Kabat, A. Prejbsz, J. Dzwonkowski, H. Janaszek-Sitkowska, T. Ciacka, M. Januszewicz, J. Szmidt (*Warsaw, Poland*)

**186 • MODERATE RENAL INSUFFICIENCY ESTIMATED BY COCKCROFT-GAULT FORMULA PREDICTS THE DEVELOPMENT OF CHRONIC KIDNEY DISEASE IN ESSENTIAL HYPERTENSIVE PATIENTS WITH NORMAL SERUM CREATININE**

L. Vigil, C. Campo, M. Odriozola, J. Segura, C. Roldan, J.A. García-Donaire, L. Guerrero, L. Fernandez, L.M. Ruilope (*Madrid, Spain*)

**187 • DOES PERINDOPRIL/INDAPAMIDE COMBINATION HAVE A BLOOD PRESSURE INDEPENDENT EFFECT ON LEFT VENTRICULAR MASS EVOLUTION? THE PICKEL STUDY**

P. Gosse, R. Asmar\*, P. Guéret\*\*, O. Dubourg\*\*\*, G. de Simone°, R. Schmieder°, B. Dahlöf°°° (*Bordeaux, \*Paris, \*\*Créteil, \*\*\*Boulogne-Billancourt, France; °Naples, Italy; °°Erlangen, Germany; °°°Göteborg, Sweden*)

**188 • MICROALBUMINURIA IS ACCOMPANIED BY AUGMENTED PLASMA CONCENTRATIONS OF C-REACTIVE PROTEIN IN UNTREATED ESSENTIAL HYPERTENSIVE SUBJECTS**

K. Dimitriadis, C. Tsioufis, E. Taxiarchou, M. Toutouza, I. Skiadas, P. Toutouzas, C. Stefanadis, I. Kallikazaros (*Athens, Greece*)

**189 • PROFILE OF HYPERTENSIVE PATIENTS TREATED WITH A FIXED DOSE COMBINATION**

A. De la Sierra, C. Pontes, J. Combalá (*Barcelona, Spain*)

**190 • IRBESARTAN REDUCES CARDIOVASCULAR RISK BOTH IN HYPERTENSIVE DIABETIC AND NON-DIABETIC SUBJECTS**

J. Honorato<sup>1</sup>, C. Calvo<sup>2</sup>, G.T. Lopez<sup>1</sup>, R. Pacheco<sup>4</sup>, F. Martin<sup>5</sup>, A. Robles<sup>4</sup>, J.M. Martinez<sup>6</sup>, J.A. Madrigal<sup>7</sup>, J. Planas<sup>8</sup>, F.J. del Cazo<sup>9</sup>, M. Cuixart<sup>10</sup>, J. Soler<sup>11</sup>, A. Perez<sup>4</sup>, J.J. Torrijos<sup>12</sup>, F. de Alvaro<sup>3</sup> (*<sup>1</sup>Pamplona, <sup>2</sup>Santiago de Compostela, <sup>3</sup>Madrid, <sup>4</sup>Valencia, <sup>5</sup>Zaragoza, <sup>6</sup>Barakaldo, <sup>7</sup>Villareal, <sup>8</sup>Barcelona, <sup>9</sup>Navarra, <sup>10</sup>Gerona, <sup>11</sup>Manresa, <sup>12</sup>Mallorca, Spain*)

**191 • AUTONOMIC NERVOUS ACTIVITY IN NORMOTENSIVES WITH HYPERTENSIVE RESPONSE TO EXERCISE**

I. Zarkos, I. Vrana, G. Xatziaoniou, G. Livieratos, N. Nearchou, E. Thireos, N. Loulias, V. Tolis (*Athens, Greece*)

**192 • RELATION OF BODY MASS INDEX AND WAIST CIRCUMFERENCE WITH HYPERTENSION IN GUADELOUPEAN WOMEN**

L. Foucan, J. Deloumeaux, T. Foucan, L. Larifla (*Pointe-à-Pitre, Guadeloupe*)

**193 • FORMALIZED COMBINED 2003 EUROPEAN GUIDELINES ON CARDIOVASCULAR DISEASE PREVENTION AND HYPERTENSION**

J. Peleska, Z. Anger, D. Buchtela, M. Tomeckova, A. Vesely, J. Zvarova (*Prague, Czech Republic*)

**194 • BLOOD PRESSURE MORNING SURGE, MORNING RISE AND DAYTIME BP VARIABILITY IN MATCHED NORMOTENSIVES, WHITE COAT HYPERTENSIVES AND SUSTAINED HYPERTENSIVES**

J. Polonia, G. Gama, S. Betoquini, L. Martins, J.A. Silva\*, L. Barbosa\* (*Porto, \*Matosinhos, Portugal*)

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

J. Polonia, R. Ramos, J. Ferreira, S. Bertoquini, J. Silva\*, M. Duro, C. Almeida  
(Porto, \*Matosinhos, Portugal)

**196 • OXIDATIVE STRESS AND LEFT VENTRICULAR REMODELING IN ESSENTIAL HYPERTENSION**

V. Giner, E. Rodilla\*, M. Tormos, O. Espinosa, J. Jimenez, F. Chaves, J. Pascual\*, G. Saez, J. Redon (Valencia, \*Sagunto, Spain)

**197 • THE FEASIBILITY OF SERUM CYSTATIN C MEASUREMENTS IN HYPERTENSIVE OUTPATIENT PATIENTS WITHOUT RENAL FAILURE**

B. Symonides, M. Iwanowska, M. Piescik, M. Pryc, P. Wieniawski, D. Bobilewicz, Z. Gaciong (Warsaw, Poland)

**198 • NT-ProBNP: A SURROGATE MARKER OF LEFT VENTRICULAR HYPERTROPHY AND DIASTOLIC DYSFUNCTION IN HYPERTENSION?**

C. Mouly, P. Lantelme, M.O. Rial, L. Legedz, P. Champomier, M. Vincent, H. Milon (Lyon, France)

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

I. Korobkova, O. Belichenko, V. Lazutkina, M. Sharia, A. Denisov, S. Shahvorostova, Z. Tsallagova (Moscow, Russia)

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C. Perria, D. Mandolini, S. Leotta, A. Fiorillo, T. Jefferson, P. Billi, A. Pasquarella, G. Guasticchi (*Rome, Italy*)

**201 • BLOOD PRESSURE CONTROL IN PATIENTS WITH TYPE 2 DIABETES MELLITUS WITH METABOLIC SYNDROME. A CROSS-SECTIONAL STUDY IN SPAIN**

O. González-Albarrán, B. Moreno, J.M. Sancho (*Madrid, Spain*)

**202 • CARDIOVASCULAR DISEASES IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM**

C. Letizia, D. Cotesta, R. Cianci, S. Sciomer, P. Ferrari, M. Celi, S. Minisola, E. D'Erasmus, F. Fedele, G.F. Mazzuoli (*Rome, Italy*)

**203 • CUSHING'S SYNDROME WHO EXHIBITED CONGESTIVE HEART FAILURE AS INITIAL SYMPTOM**

C. Letizia, D. Cotesta, L. Petramala, P. Battisiti, P. Lauri, L. Palleschi (*Rome, Italy*)

**204 • BAROREFLEX SENSITIVITY IN OBESE PATIENTS WITHOUT AND WITH DIABETES MELLITUS TYPE 2**

H. Svacinova, J. Siegelova, B. Fiser, J. Dusek, J. Jancik, L. Svoboda, I. Hruby, M. Soucek (*Brno, Czech Republic*)

**205 • VASCULAR REACTIVITY IN CONGENITAL HYPOGONADAL MEN BEFORE AND AFTER TESTOSTERONE REPLACEMENT THERAPY**

G. Bernini, D. Versari, A. Moretti, A. Cipriano, A. Virdis, L. Ghiadoni, M. Bardini, C. Taurino, S. Taddei, A. Salvetti (*Pisa, Italy*)

**206 • TISSUE RENIN-ANGIOTENSIN SYSTEM IN HUMAN DIABETIC NEPHROPATHY**

T. Konoshita, M. Motomura, C. Aoyama, Y. Makino, S. Wakahara, I. Koni\*, I. Miyamori (*Matsuoka, \*Kanazawa, Japan*)

**207 • ANGIOTENSIN-II STIMULATES BETA-CELL PROLIFERATION IN CULTURED MIN6**

M. Kaihara, Y. Nakamura, H. Norii, H. Uchida, Y. Hanayama, T. Sugimoto, H. Makino (*Okayama, Japan*)

**208 • TRIIODOTHYRONINE ENHANCES INOTROPIC EFFECTS OF ANGIOTENSIN II IN NON FAILING MYOCYTES**

V.L. Rossi, E. Marini, I. Bertolozzi, G. Arcidiacono, A. Corvi, P.A. Modesti (*Florence, Italy*)

**209 • LEFT VENTRICULAR REMODELING IN HYPERTENSIVE PATIENTS WITH TYPE 2 DIABETES MELLITUS**

O. Koshelskaya, R. Karpov (*Tomsk, Russia*)

**210 • LEFT VENTRICULAR HYPERTROPHY IN TWO AFRO CARIBBEAN POPULATION OF HYPERTENSIVE TYPE 2 DIABETICS WITH AND WITHOUT END STAGE RENAL DISEASE**

A. Blanchet Deverly, F. Foucan, A. Jacquet, R. Billy Brissac, C. Messerschmitt, J. Deloumeaux, P. Cleophat (*Pointe-à-Pitre, Guadeloupe*)

**211 • ADREM: EVALUATING THE EFFECTS OF BLOOD PRESSURE LOWERING AND INTENSIVE GLUCOSE CONTROL ON VASCULAR RETINAL DISORDERS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS**

R. Stolk, S. Thom\*\*, A. Patel\*\*\*, J. Vingerling\*, J. Chalmers\*\*\*, D. Grobbee (Utrecht, \*Rotterdam, The Netherlands; \*\*London, UK; \*\*\*Sydney, Australia)

**212 • A NOVEL ENDOTHELIAL DERIVED VASOCONSTRICTOR**

V. Jankowski, M. Toelle, M. van der Giet, W. Zidek, J. Jankowski (Berlin, Germany)

**213 • CALCILYTIC AND HYPERTENSIVE EFFECT OF NPS 2143 IN RATS**

A. Lehmann, K. Boblewski, C. Orlewska, H. Foks, A. Rybczynska (Gdansk, Poland)

**214 • HYPERTENSION IS THE MORE FREQUENT COMPONENT OF METABOLIC SYNDROME IN TYPE 1 DIABETES: THE ITALIAN COHORT OF THE EURODIAB IDDM COMPLICATIONS STUDY**

G. Penno, R. Miccoli, L. Pucci, D. Lucchesi, S. Bandinelli, C. Fotino, S. Triscornia, C. Bianchi, S. Del Prato, P. Reboldi\*, F. Santeusano\*, J. Fuller\*\* (Pisa, \*Perugia, Italy; \*\*London, UK)

**215 • ALDOSTERONE ELEVATION DURING THE LUTEAL PHASE OF THE MENSTRUAL CYCLE MAY SUGGEST PRIMARY ALDOSTERONISM IN HYPERTENSIVE WOMEN**

E. Fommei, S. Maffei, A. Iervasi, C. Prontera, S. Masini (Pisa, Italy)

**216 • HYPERTENSION AND HORMONAL ABNORMALITIES IN PATIENTS WITH ADRENAL INCIDENTALOMAS**

Z.R. Shafigullina, L.I. Velikanova, N.V. Vorokhobina (St. Petersburg, Russia)

**217 • EFFECTS OF TREATMENT OF PATIENTS WITH PRIMARY ALDOSTERONISM CAUSED BY ALDOSTERONE PRODUCING ADENOMA AND BY ADRENAL HYPERPLASIA - ONGOING STUDY**

T. Dobrucki, M. Peczkowska, H. Janaszek-Sitkowska, M. Kabat, A. Prejbisz, P. Hoffman, M. Makowiecka-Ciesla, M. Januszewicz\*, R. Mielniczuk, A. Januszewicz (Warsaw, Poland)

**218 • ANGIOTENSIN-I CONVERTING ENZYME IN TISSUES FROM THE NON-OBESE DIABETIC MOUSE**

J. Colucci, G. Di Marco, C. Vio\*, A. Pacheco-Silva, D. Casarini (São Paulo, Brazil; \*Santiago, Chile)

**219 • PPAR GAMMA ACTIVATING ANGIOTENSIN RECEPTOR BLOCKERS EXHIBIT DIFFERENTIAL COFACTOR RECRUITMENT AND INDUCE ALTERED GENE EXPRESSION IN 3T3-L1 ADIPOCYTES**

M. Schupp, R. Gineste\*, M. Clemenz, H. Witt, J. Janke, S. Helleboid\*, N. Hennuyer\*\*, P. Ruiz, T. Unger, B. Staels\*\*, U. Kintscher (Berlin, Germany; \*Loos, \*\*Lille, France)

**220 • IMPLICATION OF ANTIBODIES TO OXIDIZED LOW-DENSITY LIPOPROTEIN IN HYPERTENSION WITH DIABETES MELLITUS**

K. Hirao, T. Maruyama, Y. Ohno\*, H. Hirose, A. Shimada, I. Takei, M. Murata, T. Morii, T. Eguchi\*\*, M. Hayashi, T. Saruta (Tokyo, \*Saitama, \*\*Yokohama, Japan)

**221 • CONTROL OF CARDIOVASCULAR RISK FACTORS IN TYPE 2 DIABETES MELLITUS IN PRIMARY CARE**

T. Mantilla, C. Pérez de Oteya, A. Gómez de la Cámara, M.D. Alonso de Caso, L. Alvarez-Sala (Madrid, Spain)

**222 • EFFECT OF GONADECTOMY ON CARDIOVASCULAR RESPONSE TO ADRENALINE IN NORMAL AND STRESSED RATS**

M. Semyonova, T. Anishchenko (Saratov, Russia)

**223 • ASSOCIATION OF SOMATIC AND N-DOMAIN ANGIOTENSIN CONVERTING ENZYMES FROM WISTAR RATS TISSUES WITH RENAL AND PANCREATIC DYSFUNCTIONS IN DIABETES MELLITUS**

F.A. Ronchi, D.E. Casarini (*São Paulo, Brazil*)

**224 • CORRELATION BETWEEN PINEAL'S GLAND ACTIVITY AND ITS HISTOLOGICAL FINDING**

V. Antevska, L. Efremovska, L. Bozinovska, V. Malevska, O. Nikodijevic, B. Bogoeva (*Skopje, Rep. of Macedonia*)

**225 • IS THERE ANY RELATIONSHIP BETWEEN PLASMA VITAMIN D CONCENTRATION AND ARTERIAL BLOOD PRESSURE?**

J. Almirall, M. Vaqueiro, E. Anton, M.L. Baré, C. Prat, V. Gonzalez, E. Jaimez, C. Gimeno (*Sabadell, \*Terrassa, Spain*)

**226 • DIFFICULTY IN ACHIEVING BLOOD PRESSURE CONTROL IN DIABETES MELLITUS**

M. Tani, K. Okazaki, Y. Ariga (*Fukushima, Japan*)

**227 • EFFECTS OF LOW DOSE PERINDOPRIL-INDAPAMIDE COMBINATION ON BLOOD PRESSURE IN TYPE 2 DIABETES: THE ADVANCE TRIAL RUN-IN PHASE**

A. Patel, R. Joshi, S. Colman, J. Chalmers, B. Neal, S. MacMahon (*Sydney, Australia*)

**228 • ANGIOTENSIN II AND ANGIOTENSIN IV MAY INTERACT WITH INSULIN-MEDIATED GLUT4 AND IRAP EXPRESSION IN VASCULAR SMOOTH MUSCLE CELLS: ALTERED RESPONSE IN PATIENTS WITH TYPE 2 DIABETES**

W. Hodroj, J. Randon, N. Foudi, L. Legedz, P. Feugier, C. Cerutti, G. Bricca (*Lyon, France*)

**229 • DELAY TO OBTAIN A DECREASE IN BLOOD PRESSURE IN TYPE 2 AND DIABETIC PATIENTS WITH HYPERTENSION**

J.P. Baguet, S. Nisse-Durgeat\*, P. Valensi\*\*, R. Asmar\*\*\*, J.M. Mallion (*Grenoble, \*Puteaux, \*\*Bondy, \*\*\*Paris, France*)

**230 • CARDIO- AND RENOPROTECTIVE EFFECTS OF LOW DOSE SELECTIVE ALDOSTERONE BLOCKER EPLERENONE IN HYPERTENSION**

M. Naruse, A. Tanabe\*, Y. Shimamoto\*, M. Tsuiki\*, D. Watanabe\*, S. Takagi\*, D. Nagata, K. Takano\* (*Kyoto, \*Tokyo, Japan*)

**231 • GENE EXPRESSION OF PPAR-gamma IN HUMAN ADRENAL TUMOR TISSUES**

M. Tsuiki, A. Tanabe, D. Watanabe, S. Takagi, Y. Shimamoto, M. Naruse\*, K. Takano (*Tokyo, \*Kyoto, Japan*)

**232 • CARDIOVASCULAR COMPLICATIONS IS COMMON IN PRIMARY ALDOSTERONISM**

A. Tanabe, M. Naruse\*, Y. Shimamoto, M. Tsuiki, D. Watanabe, S. Takagi, K. Takano (*Tokyo, \*Kyoto, Japan*)

**233 • CIRCADIAN RHYTHM OF BLOOD PRESSURE IN PRIMARY HYPERPARATHYROIDISM**

S. Lupi, V. Greco, M. Drnosek, G. Caruso, M. Ercolano, L. Brescacin (*Buenos Aires, Argentina*)

**234 • BLOOD PRESSURE AND LEFT VENTRICULAR MASS INDEX IN NORMOTENSIVE HYPERPARATHYROID PATIENTS VERSUS HEALTHY CONTROLS**

G. Caruso, S. Lupi, M. Rey, M. Drnosek, M. Ercolano, L. Brescacin, G. Benchuga, M. Papadopulos, H. Messuti (*Buenos Aires, Argentina*)

**235 • INTERACTION OF UROKINASE WITH MONOCYTES IN DIABETIC NEPHROPATHY**

I. Topchiy, V. Galchinskaya, I. Kondakov, P. Semenovykh, A. Nesen, A. Shitova  
(*Kharkov, Ukraine*)

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## Metabolic Syndrome and Obesity

### Poster Session 18

**236 • SYMPATHETIC NERVOUS SYSTEM ACTIVATION, BUT NOT BLOOD PRESSURE, IS DEPENDENT ON GLN223ARG LEPTIN RECEPTOR GENE POLYMORPHISM IN OBESE HUMANS**

E. Franek, J. Nowak\*, G. Adler\*, A. Binczak-Kuleta\*, B. Czerwińska\*\*, A. Ciechanowicz\*, F. Kokot\*\*, A. Wiecek\*\* (*Warsaw, \*Szczecin, \*\*Katowice, Poland*)

**237 • METABOLIC SYNDROME IN A GREEK HYPERTENSIVE POPULATION: SEX INFLUENCE**

A. Tsakiris, M. Doulmas, N. Nearchou, C. Kouremenou, I. Papadakis, P. Marnelos, X. Krinos, P. Skoufas (*Athens, Greece*)

**238 • RELATIONSHIP BETWEEN CAROTID ARTERY DAMAGE AND METABOLIC SYNDROME IN A GREEK HYPERTENSIVE POPULATION**

A. Tsakiris, M. Doulmas, N. Nearchou, C. Kouremenou, I. Papadakis, P. Marnelos, V. Nikolaou, P. Skoufas (*Athens, Greece*)

**239 • COMPARISON OF LIPID PROFILE AMONG OPIUM DEPENDENTS WITH NON OPIUM DEPENDENTS**

M. Hasanzadeh, M. Sargolzaee, A. Arghami, N. Arghami, Z. Abbaspourrad (*Mashhad, Iran*)

**240 • DO LIPID PARAMETERS INFLUENCE PLASMA VISCOSITY IN PATIENTS WITH ARTERIAL HYPERTENSION?**

M. Cymerys, A. Marcinkowska-Gapinska, D. Pupek-Musialik, J. Dytfeld, P. Kowal, A. Miczke, W. Bryl (*Poznan, Poland*)

**241 • THE RELATIONSHIP BETWEEN INSULIN SENSITIVITY AND ADIPONECTIN IN HYPERTENSIVE PATIENTS**

A. Miczke, D. Pupek-Musialik, W. Bryl, M. Szulinska, M. Cymerys, R. Chyrek (*Poznan, Poland*)

**242 • ARTERIAL HYPERTENSION, OVERWEIGHT, OBESITY AND OTHER CORONARY ARTERY DISEASE RISK FACTORS IN TALLINN ADULT POPULATION**

A. Mesikepp, A. Hedman, R. Vahisalu, E. Mäeots, V. Laasi, H. Jaagus (*Tallinn, Estonia*)

**243 • MASKED HYPERTENSION IN THE ELDERLY IS ASSOCIATED WITH HIGH HEMOGLOBIN A1C LEVELS AND LEFT VENTRICULAR HYPERTROPHY**

Y. Karube, K. Harada, Y. Tanabe, C. Inaba, H. Saruhara, M. Adachi, K. Takeda, T. Taniguchi, K. Chida, I. Kuwajima (*Tokyo, Japan*)

**244 • INFLUENCE OF HYPERTENSION, OBESITY, INSULIN, AND LEPTIN LEVELS ON URINARY ALBUMIN EXCRETION IN MEN**

M. Luczak, D. Pupek-Musialik, W. Bryl, A. Miczke, P. Bogdanski, M. Szulinska, J. Dytfeld (*Poznan, Poland*)

**245 • INFLUENCE OF HIGH FAT MEAL ON SELECTED PROINFLAMMATORY CHEMOKINES CONCENTRATION IN METABOLIC SYNDROME**

M. Luczak, D. Pupek-Musialik, J. Dytfeld, M. Cymerys, A. Miczke, P. Bogdanski, W. Bryl (*Poznan, Poland*)

**246 • WEIGHT LOSS AND MILD PHYSICAL ACTIVITY DECREASE THE LEVELS OF INFLAMMATORY MARKERS IN OBESE PATIENTS WITH METABOLIC SYNDROME**  
M. Shargorodsky, Y. Goldberg, D. Gavish, R. Zimlichman\* (*Holon, \*Tel Aviv, Israel*)

**247 • MORBIDLY OBESE PATIENTS WITHOUT CV RISK FACTORS HAVE NORMAL ARTERIAL ELASTICITY AND DO NOT IMPROVE FOLLOWING SIGNIFICANT WEIGHT LOSS**  
M. Shargorodsky, A. Flied, D. Gavish, M. Boaz, R. Zimlichman\* (*Holon, \*Tel Aviv, Israel*)

**248 • WEIGHT LOSS AND MILD PHYSICAL ACTIVITY IMPROVE SMALL AND LARGE ARTERIAL ELASTICITY AND LOWER BLOOD PRESSURE IN OBESE PATIENTS**  
Y. Goldberg, M. Shargorodsky, D. Gavish, R. Zimlichman\* (*Holon, \*Tel Aviv, Israel*)

**249 • EFFICIENCY OF ANTYHYPERTENSIVE THERAPY IN THE PATIENTS WITH METABOLIC SYNDROME**  
V. Tseluyko, O. Radchenko (*Kharkiv, Ukraine*)

**250 • EFFECT OF PPAR-GAMMA AGONIST ON ADIPONECTIN LEVELS IN THE METABOLIC SYNDROME: LESSONS FROM THE HIGH-FRUCTOSE FED RAT MODEL**  
I. Avni, Y. Kamari, M. Oron-Herman, E. Peleg, Z. Shabtay, Y. Sharabi, E. Grossman (*Tel Hashomer, Israel*)

**251 • EFFECT OF CHANGES IN BODY POSTURE ON VASOACTIVE HORMONES AND INSULIN IN PREECLAMPTIC WOMEN**  
R. Kaaja, A. Leinonen, P. Moore\*, T. Yandle\*, C. Frampton\*, G. Nicholls\*\* (*Helsinki, Finland; \*Christchurch, New Zealand; \*\*Al Ain, United Arab Emirates*)

**252 • PREVALENCE AND CHARACTERISTICS OF THE METABOLIC SYNDROME IN FRANCE: THE SYMFONIE STUDY**  
F. Thomas, B. Pannier, A. Benetos, E. Eschwege\*, Y. Leocmach\*\*, L. Guize (*Paris, \*Villejuif, \*\*Garches, France*)

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**254 • DECREASED INSULIN SENSITIVITY AND HIGH PLASMA LEVELS OF PAI-1 AND NEFA IN YOUNG LEAN HYPERTENSIVE MEN**  
A. Penesova, Z. Radikova, E. Cizmarova, P. Blazicek, M. Vigas, J. Koska (*Bratislava, Slovakia*)

**255 • HYPERTENSION, OBESITY AND CARDIOVASCULAR DISEASE FOLLOWING RENAL TRANSPLANTATION**  
V. Teplan, J. Stribrna, V. Hanzal, M. Burgelova, R. Poledne, S. Vitko (*Prague, Czech Republic*)

**256 • EFFECTS OF MOXONIDIN ON GLUCOSE AND LIPIDS METABOLISM AND BLOOD PRESSURE IN PATIENTS WITH MILD HYPERTENSION AND METABOLIC SYNDROME**  
I. Chazova, V. Mychka (*Moscow, Russia*)

**257 • METABOLIC SYNDROME IS VERY FREQUENT IN HYPERTENSION BUT IS OFTEN MISDIAGNOSED IN PRIMARY CARE. DATA FROM THE PRESCOT SYUDY**  
V. Barrios, A. Calderón\*, JL. Llisterri\*\*, E. Alegría\*\*\*, J. Muñiz°, A. Matalí°, R. de Castellar°° (*Madrid, \*San Sebastián de los Reyes, \*\*Valencia, \*\*\*Pamplona, °La Coruña, °°Barcelona, Spain*)

**258 • METABOLIC SYNDROME IS CHARACTERIZED BY AN INCREASED PREVALENCE OF BLUNTED NOCTURNAL AMBULATORY BLOOD PRESSURE**

R. Hermida, C. Calvo\*, D.E. Ayala, M. Coveló\*, M. Rodríguez\*, A. Mojón, J.R. Fernández, I. Alonso, M.J. Fontao, R. Soler, J.E. López\* (*Vigo, \*Santiago, Spain*)

**259 • METABOLIC SYNDROME IN ELDERLY; PREVALENCE USING THE TWO PROPOSED DEFINITIONS, RELATION WITH CORONARY ARTERY DISEASE, CEREBROVASCULAR DISEASE AND C-REACTIVE PROTEIN**

M. Halil, M. Cankurtaran, B.B. Yavuz, S. Ariogul (*Ankara, Turkey*)

**260 • BETA CELL FUNCTION, INSULIN RESISTANCE INDEXES, BP VALUES AND CARDIAC AUTONOMIC MODULATION IN OBESE CHILDREN WITH AND WITHOUT TYPE 2 DIABETES MELLITUS**

F. Rabbia, F. Cerutti, G. Pacini\*, G. Leotta, A. Bobbio, A. Canadè, C. Pugni, C. Bertello, S.O.M Del Colle, A. Verhovez, F. Veglio (*Turin, \*Padua, Italy*)

**261 • ANTIPHOSPHOLIPID AND METABOLIC SYNDROMES: ARTERIAL HYPERTENSION**

L. Sydorчук, I. Sydorчук, R. Sydorчук (*Chernivtsi, Ukraine*)

**262 • 24-HOUR BLOOD PRESSURE AND METABOLIC RESPONSES TO MEALS IN OBESE PATIENTS**

O. González-Albarrán, M. Peralta, C. Roa, P. Pinés, T. Antón, J.M. Sancho (*Madrid, Spain*)

**263 • INFLUENCE OF OBESITY AND ARTERIAL HYPERTENSION ON CARDIAC GEOMETRY AND FUNCTION IN OBESE PATIENTS**

E. Shavaraova, E. Nikitina, N. Vahrameeva, A. Krutikov, A. Conrady (*St. Petersburg, Russia*)

**264 • ANALYSIS OF STATIN TITRATION IN FRANCE IN GENERAL PRACTICE**

L. Foubert, S. Dejager\*, C. Yau\*, M. Verpillieux\* (*Paris, \*Rueil-Malmaison, France*)

**265 • FATTY ACID SPECTRUM OF BLOOD PLASMA AND FOOD INTAKE IN NORMOTENSIVE AND HYPERTENSIVE MILITARY STAFF FROM BULGARIAN ARMY**

E. Anev, K. Ramshev, F. Ribarova, M. Todorova (*Sofia, Bulgaria*)

**266 • THE RELATIONSHIP BETWEEN THE COMPLIANCE OF NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE AND C-REACTIVE PROTEIN LEVELS IN OBSTRUCTIVE SLEEP APNEA SYNDROME**

K. Ishida, M. Kato, Y. Kato, Y. Kinugasa, K. Ogino, O. Igawa, I. Hisatome, C. Shigemasa (*Yonago, Japan*)

**267 • EFFECT OF VALSARTAN ON ADIPONECTINE, LEPTIN AND RESISTIN IN HYPERTENSIVE OBESE PATIENTS**

R. Fogari, G. Derosa, A. Mugellini, P. Preti, P. Lazzari, A. Zoppi, A. Rinaldi, M. Destro (*Pavia, Italy*)

**268 • PREVALENCE OF THE METABOLIC SYNDROME AND COGNITIVE IMPAIRMENT IN ELDERLY SUBJECTS**

A. Maresca, E. Mainini, L. Perini, G. Bono, L. Greco, M. Mauri, E. Laurita, C. Marchesi, E. Nicolini, F. Solbiati, A. Grandi (*Varese, Italy*)

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**271 • BLOOD PRESSURE, OBESITY AND METABOLIC OBESITY. THEIR RELATIONSHIP IN PRIMARY CARE PATIENTS**

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**273 • DISTRIBUTIONAL CHARACTERISTICS OF THE SYSTOLIC AUGMENTATION INDEXES AS MEASURED BY THE SPHYGMOCOR DEVICE IN THE EUROPEAN PROJECT ON GENES IN HYPERTENSION (EPOGH)**

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**274 • EFFECTS OF FIXED PERINDOPRIL/INDAPAMIDE COMBINATIONS ON CARDIAC HYPERTROPHY AND ARTERIAL STIFFNESS IN PATIENTS WITH ARTERIAL HYPERTENSION**

Y. Lopatin, T. Kaplanov, V. Ivanenko, N. Semenova, L. Anisimova, N. Ryazantseva (*Volgograd, Russia*)

**275 • COMPARISON OF OSCILLOMETRIC AND TONOMETRIC DERIVED PULSE WAVE VELOCITY**

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**276 • PROLONGED TREATMENT OF HYPERTENSIVE PATIENTS WITH HCTZ AGGRAVATES METABOLIC PARAMETERS ESPECIALLY IN PATIENTS WITH NIDDM OR IFG**

M. Shargorodsky, J. Wainstein, I. Davidovitz, M. Boaz, R. Zimlichman\* (*Holon, \*Tel Aviv, Israel*)

**277 • EFFECT OF HIGH AND LOW DOSE HYDROCHLOROTHIAZIDE ON ARTERIAL ELASTICITY AND HEMODYNAMIC PARAMETERS IN PATIENTS WITH HYPERTENSION, IMPAIRED FASTING GLUCOSE AND NIDDM**

M. Shargorodsky, J. Wainstein, I. Davidovitz, M. Boaz, R. Zimlichman\* (*Holon, \*Tel Aviv, Israel*)

**278 • THE INFLUENCE OF FIBRILLIN-1 GENOTYPE ON THE AORTIC STIFFNESS OF MIDDLE-AGED MEN**

R. Debasso, R.J. Turner\*, M. Sian\*, J.T. Powell\*\*, T. Länne (*Linköping, Sweden; \*Walsgrave, \*\*London, UK*)

**279 • IS IT POSSIBLE TO EFFECTIVELY LOWER PULSE PRESSURE IN HYPERTENSIVES WITH TYPE 2 DIABETES?**

S. Laurent, A. Grimaldi, F. Soppelsa\*, D. Molle\*\* (*Paris, \*Fleury-Merogis, \*\*Rouen, France*)

**280 • MICROALBUMINURIA AS A MARKER OF SUBCLINICAL CAROTID ARTERY DISEASE IN PATIENTS WITH PRIMARY HYPERTENSION. DIFFERENCE BETWEEN DIPPERS AND NON DIPPERS**

D. Xydakis, A. Papadogiannakis, M. Sfakianaki, K. Papachristoforou (*Heraklion, Greece*)

**281 • LONG TERM ORAL SUPPLEMENTATION OF L-ARGININE IMPROVES ARTERIAL ELASTICITY AND HEMODYNAMIC VARIABLES**

H. Gutman, M. Shargorodsky\*, R. Brendeis, D. Gavish\*, R. Zimlichman\*\* (*Nes Ziona, \*Holon, \*\*Tel Aviv, Israel*)

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P. Levy, S. Jackson, T. McCoy, K. Hansen, R. Smith, C. Ferrario (*Winston-Salem, NC, USA*)

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C. Valerio, C. Cuspidi, S. Meani, V. Fusi, E. Catini, F. Magrini, A. Zanchetti (*Milan, Italy*)

**288 • COMPARISON OF THE EFFECTS ACE INHIBITORS AND DIURETICS ON ARTERIAL COMPLIANCE, PULSE PRESSURE, LEFT VENTRICULAR MASS AND RENAL HEMODYNAMIC PARAMETERS IN YOUNG HYPERTENSIVE PATIENTS WITH NORMAL AND IMPAIRED AORTIC COMPLIANCE**

B. Krasinska, P. Lopatka, O. Trojnariska, Z. Krasinski, A. Tykarski (*Poznan, Poland*)

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**290 • PRESSURE-INDEPENDENT AND DOSE-DEPENDENT REMODELING OF THE CAROTID ARTERY AFTER PERINDOPRIL IN DIABETIC HYPERTENSIVE PATIENTS**

A.I. Tropeano, P. Boutouyrie, B. Pannier\*, R. Joannides\*\*, E. Balkestein°, B. Laloux, C. Thuilliez\*\*, H. Struijker Boudier°, S. Laurent (*Paris, \*Fleury-Merogis, \*\*Rouen, France; °Maastricht, The Netherlands*)

**291 • RELATIONSHIP BETWEEN DIPPING STATUS AND AORTIC STIFFNESS IN THE EARLY STAGES OF ESSENTIAL HYPERTENSION**

D. Chatzis, C. Tsioufis, K. Dimitriadis, E. Taxiarchou, V. Chatzistamatiou, P. Missouvous, A. Kakkavas, C. Stefanadis, I. Kallikazaros (*Athens, Greece*)

**292 • ASSOCIATION OF AORTIC STIFFNESS WITH BRAIN NATRIURETIC PEPTIDE PLASMA LEVELS IN THE EARLY COURSE OF ESSENTIAL HYPERTENSION**

D. Chatzis, C. Tsioufis, K. Dimitriadis, P. Stougiannos, G. Chartzoylakis, P. Toutouzas, C. Stefanadis, I. Kallikazaros (*Athens, Greece*)

**293 • THE ASSOCIATION BETWEEN ARTERIAL PROPERTIES AND ENDOTHELIAL NITRIC OXIDE SYNTHASE GENE POLYMORPHISM IN A POPULATION SAMPLE**

O. Mayer Jr., J. Filipovsky, M. Pesta, M. Dolejsova, J. Kucerova (*Pilsen, Czech Republic*)

**294 • AORTIC STIFFNESS AND WAVE REFLECTION IN ELDERLY PATIENTS WITH CARDIOVASCULAR DISEASE AND IN HEALTHY SUBJECTS**

J. Filipovsky, P. Roucka, O. Mayer Jr., J. Blacher\*, M. Dolejsova (Pilsen, Czech Republic; \*Paris, France)

**295 • ENDOTHELIAL-DEPENDENT VASODILATATION, ARTERIAL STIFFNESS AND INTIMA-MEDIA THICKNESS IN PATIENTS WITH FAMILIAL ARTERIAL HYPERTENSION**

O. Pogorelova, T. Balakhonova, T. Fofanova, S. Gaman, F. Ageev, A. Rogoza (Moscow, Russia)

**296 • AMBULATORY ARTERIAL STIFFNESS INDEX DERIVED FROM 24-HOUR AMBULATORY BLOOD PRESSURE MONITORING**

Y. Li, J.G. Wang\*, E. Dolan\*\*, P.J. Gao, H.F. Guo, T. Nawrot\*, A. Stanton\*\*, D.L. Zhu, E. O'Brien\*\*, J.A. Staessen\* (Shanghai, China; \*Leuven, Belgium; \*\*Dublin, Ireland)

**297 • EFFECT OF EXPERIMENTAL INFLAMMATION ON RAT AORTIC PULSE WAVE VELOCITY**

M. Butlin, A. Avolio, L.H. Kong, W. Binder, I. Wilkinson\* (Sydney, Australia; \*Cambridge, UK)

**298 • AGE AND THE PRESENCE OF HYPERTENSION RATHER THAN THE METABOLIC SYNDROME OR DIABETES ARE THE CRITICAL FACTORS AFFECTING NON-INVASIVELY - DETERMINED ARTERIAL PROPERTIES**

M. Yaron, J.B. Rosenfeld, E. Izkhakov, Y. Marcus, K. Tordjman, Y. Greenman, G. Shenkerman, N. Stern (Tel Aviv, Israel)

**299 • HAVE KIDNEY TRANSPLANTATION PATIENTS A HIGHER ARTERIAL STIFFNESS INDEPENDENTLY OF THE AGE?**

J. Bonet, M.C. Pastor, B. Bayes, M. Navarro, R. Lauzurica, X. Vazquez, R. Romero (Badalona, Spain)

**300 • STUDY OF BIOLOGICAL PARAMETERS RELATED WITH ATHEROSCLEROSIS AND ITS POSSIBLE RELATION WITH AN INCREASED ARTERIAL STIFFNESS IN HYPERTENSIVE PATIENTS**

J. Bonet, M.C. Pastor, I. Agraz, J. Ara, X. Vazquez, R. Romero (Badalona, Spain)

**301 • AORTIC PULSE WAVE VELOCITY IN OBESE, OVERWEIGHT AND NONOBESE POSTMENOPAUSAL WOMEN**

O. Kislyak, A. Starodubova, G. Storozhakov (Moscow, Russia)

**302 • ARTERIAL STIFFNESS AND CAROTID WALL CHARACTERISTICS IN POST-MENOPAUSAL WOMEN WITH AND WITHOUT OSTEOPOROSIS**

R. Grella, B. Jiang, S.C. Millasseau, M. Frost, G. Hampson, I. Fogelman, P.J. Chowienzyk (London, UK)

**303 • PULSE WAVE VELOCITY AND CARDIOVASCULAR DISEASE IN A GENERAL POPULATION**

T. Hansen, J. Jeppesen, S. Rasmussen, H. Ibsen, C. Torp-Pedersen (Copenhagen, Denmark)

**304 • ARTERIAL STIFFNESS AND COLLAGEN TYPE-I TURNOVER IN HYPERTENSION**

M. McNulty, A. Mahmud, J.P. Spiers, J. Feely (Dublin, Ireland)

**305 • EFFECTS OF AGEING AND HYPERTENSION ON VASCULAR RESPONSES IN HUMAN RESISTANCE ARTERIES**

M.A. James, J. Tullett, A.G. Hemsley, A.C. Shore (Exeter, UK)

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D. Majid, M. Haque, A. Castillo, M. Graciano (*New Orleans, LA, USA*)
- 307 • THE NOVEL ROLE OF FOUR-AND-HALF LIM DOMAIN 2 PROTEIN IN LEAD-INDUCED HYPERTENSION**  
P.-H. Chu, J.-L. Lin, D.-T. Lin-Tan, S.-M. Jung (*Taipei, Taiwan, China*)
- 308 • COENZYME Q AND ALPHA-TOCOPHEROL IN BRAIN OF SPONTANEOUSLY HYPERTENSIVE STROKE-PRONE RATS DURING AGING**  
E. Kalenikova, E. Gorodetskaya, A. Murashev\*, O. Medvedev (*Moscow, \*Puschino, Russia*)
- 309 • EARLY ONSET OF A DECREASED INTRACELLULAR MAGNESIUM AND PHOSPHATE CONCENTRATION IN SMOOTH MUSCLE CELLS OF SHR**  
K. Kisters, F. Wessels, B. Gremmler\*, M. Quang Nguyen, M. Kosch\*\*, M. Hausberg\*\* (*Herne, \*Bottrop, \*\*Muenster, Germany*)
- 310 • VASODILATING EFFECTS OF THE LOW AFFINITY STATE BETA1-ADRENOCEPTORS IN RATS**  
D. Holopherne, Y. Malleme, V. Bucas, M. Gogny, J.-C. Desfontis (*Nantes, France*)
- 311 • THE ROLE OF TASTE SENSITIVITY OF THE TONGUE RECEPTORS TO THE SALT IN MECHANISMS OF SALT SENSITIVE ESSENTIAL ARTERIAL HYPERTENSION FORMATION**  
V. Tseluyko, A. Lvova, A. Zhadan (*Kharkiv, Ukraine*)
- 312 • THE CELLULAR MECHANISMS INVOLVED IN THE VASODILATOR EFFECT OF NEBIVOLOL ON THE RENAL ARTERY**  
A. Georgescu (*Bucharest, Romania*)
- 313 • THE EFFECT OF ANTIOXIDANTS ON THE NITRIC OXIDE BALANCE AND PREVENTION OF SPONTANEOUS HYPERTENSION**  
O. Pechanova, S. Kojsova, L. Paulis, P. Janega, J. Zicha\*, Z. Dobesova\*, J. Kunes\*, F. Simko, R. Andriantsitohaina\*\* (*Bratislava, Slovakia; \*Prague, Czech Republic, \*\*Illkirch, France*)
- 314 • BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELLS SENEESCENCE IN SPONTANEOUSLY HYPERTENSIVE RATS**  
K. Kobayashi, T. Imanishi, C. Moriwaki, T. Hano, I. Nishio (*Wakayama, Japan*)
- 315 • EFFECTS OF TRANSPLANTATION OF BONE MARROW-MONONUCLEAR CELLS ISOLATED FROM SPONTANEOUSLY HYPERTENSIVE RAT IN ISCHEMIC MYOCARDIUM**  
M. Obana, T. Imanishi, Y. Matsuo, T. Hano, I. Nishio (*Wakayama City, Japan*)
- 316 • MATERNAL-FETAL TRANSPORT CHARACTERISTICS OF L-LEUCINE IN PREECLAMPTIC PREGNANCIES: IN VITRO STUDY**  
N. Moorkath, E. Al-Saleh (*Kuwait*)

**317 • A NEW SYSTEM OF PROLONGED NITRIC OXIDE GENERATION ON BASIS OF CONTROLLED-RELEASE POLYMER, POLYHYDROXYBUTYRATE**

A. Bonartsev, A. Postnikov, A. Iordansky, N. Medvedeva (*Moscow, Russia*)

**318 • ALDOSTERONE EFFECTS ON THE EXPRESSION OF RENAL L-TYPE AMINO ACID TRANSPORTER 2**

M.J. Pinho, P. Soares-da-Silva (*Porto, Portugal*)

**319 • L-DOPA UPTAKE IN AGED PROXIMAL TUBULE KIDNEY CELLS**

E. Silva, P. Soares-da-Silva (*Porto, Portugal*)

**320 • RENAL SYMPATHETIC, BUT NOT TUBULOGLOMERULAR FEEDBACK, ACTIVITY IS ENHANCED IN CONGENIC WKY RATS WITH CHROMOSOME 1 QTL OF STROKE-PRONE SHR**

M. Kawabata, T. Wang\*, T. Nabika\*, M. Haneda\*, T. Takabatake\* (*Tsuruga, \*Izumo, Japan*)

**321 • ACUTE ORAL PEGYLATED HUMAN BNP ACTIVATES cGMP AND DECREASES MEAN ARTERIAL PRESSURE IN NORMAL DOGS**

A. Cataliotti, J.A. Schriger, F.L. Martin, H.H. Chen, L.S. Malatino, K.D. James\*, M.A. Miller\*, N.B. Malakar\*, N.N. Ekwuribe\*, J.C. Burnett (*Rochester, MN, \*Research Triangle Park, USA*)

**322 • NOREPINEPHRINE-RELEASE IN ISOLATED PERFUSED KIDNEYS OF WILDTYPE AND ALPHA2A ADRENOCEPTOR KO-MICE**

S. Habel, J. Sttegbauer, L. Hein\*, L.-C. Rump, O. Vonend (*Herne, \*Wuerzburg, Germany*)

**323 • NAD(P)H OXIDASE SUBUNIT, P47PHOX, DEFICIENCY PREVENTS BLOOD PRESSURE ELEVATION AND VASCULAR REMODELING IN ANGIOTENSIN II-INFUSED MICE**

J.B. Park, Y.M. Park, B.-H. Lim (*Seoul, Korea*)

**324 • ROLE OF NAD(P)H OXIDASE SUBUNIT P47PHOX ON BLOOD PRESSURE ELEVATION AND AORTIC AND CARDIO-RENAL HYPERTROPHY IN ALDOSTERONE-INFUSED RATS**

J.B. Park, Y.M. Park (*Seoul, Korea*)

**325 • CARDIOVASCULAR AND RENAL NITRIC OXIDE SYNTHASE ACTIVITY AND ATRIAL NATRIURETIC PEPTIDE IN SPONTANEOUSLY HYPERTENSIVE RATS**

M.A. Costa, R. Elesgaray, C. Caniffi, G. Lencinas, A.M. Balaszczuk, C.T. Arranz (*Buenos Aires, Argentina*)

**326 • MODEST ACIDIFICATION SUPPRESSES DEATH OF OUABAIN-TREATED CELLS: EVIDENCE FOR H<sup>+</sup>-MEDIATED EXPRESSION OF CELL DEATH INHIBITOR**

S.N. Orlov, O.A. Akimova, D. Pchezhetski, P. Hamet (*Montreal, Canada*)

**327 • ANGIOTENSIN-DEPENDENT SYMPATHETIC VASOCONSTRICTION IN SHR: THE EFFECT OF CAPTOPRIL TREATMENT IN YOUNG ANIMALS**

J. Kunes, Z. Dobesova, J. Zicha (*Prague, Czech Republic*)

**328 • AUGMENTED NIFEDIPINE-SENSITIVE COMPONENT OF BLOOD PRESSURE IN SHR: THE RELATIONSHIP TO SYMPATHETIC HYPERACTIVITY**

J. Zicha, Z. Dobesova, J. Kunes (*Prague, Czech Republic*)

**329 • EFFECTS OF FESOD ON HEAMODYNAMIC PARAMETERS AND OXIDATIVE STATUS IN SH RATS**

T. Popovic, D.J. Jovic, Z. Miloradovic, N. Mihailovic-Stanojevic, M. Spasic (*Belgrade, Yugoslavia*)

- 330 • AMLODIPINE INITIATES LEFT VENTRICULAR HYPERTROPHY REGRESSION IN THE SUBEPICARDIUM OF SPONTANEOUSLY HYPERTENSIVE RATS BY INTERSTITIAL FIBROBLASTS APOPTOSIS**  
D. Duguay, S. Pesant, D. deBlois (*Montréal, Canada*)
- 331 • THE ROLE OF LOW AFFINITY-STATE BETA1-ADRENOCEPTORS IN PINDOLOL AND ALPRENOLOL-MEDIATED VASODILATION IN RAT AORTA**  
Y. Mallem, H. Renoul, M. Gogny, J.-C. Desfontis (*Nantes, France*)
- 332 • REALIZATION OF THE NATIONAL PROGRAM ON ARTERIAL HYPERTENSION PREVENTION AND CONTROL IN LARGE INDUSTRIAL REGION OF UKRAINE - KHARKOV REGION**  
S.N. Koval, L.V. Maslyayeva, M.M. Dunaevskaya, V.S. Konkova, V.L. Shkapo (*Kharkov, Ukraine*)
- 333 • RESEARCH OF HEREDITARY PREDISPOSITION TO THE METABOLIC SYNDROME X AND DEFINITION OF ITS GENETIC MARKERS**  
S. Koval, I. Snegurskaya, S. Shtandel, D. Miloslavsky, V. Bozhko, O. Mysnychenko (*Kharkov, Ukraine*)
- 334 • MODULATION OF CARDIAC AND AORTIC PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR-GAMMA EXPRESSION BY OXIDATIVE STRESS IN CHRONICALLY GLUCOSE FED RATS**  
A. El Midaoui, L. Wu\*, R. Wang\*, J. De Champlain (*Montreal, \*Saskatoon, Canada*)
- 335 • TISSUE KALLIKREIN AND RENOVASCULAR HYPERTENSION**  
V. Griol-Charhbil, L. Sabbah\*, P. Bruneval, P. Meneton, F. Alhenc-Gelas, C. Richer (*Paris, France*)
- 336 • INSULIN SENSITIZERS DRUGS ADMINISTRATION TO A RAT MODEL OF THE METABOLIC SYNDROME: EFFECTS UPON GLUCOSE METABOLISM AND BLOOD PRESSURE**  
C. Ferreira, M. Cesaretti, M. Ginoza, M. Zanella, A. Ribeiro, O. Kohlmann (*São Paulo, Brazil*)
- 337 • LONG-TERM RISK BENEFIT OF A FIXED DOSE COMBINATION OF ENALAPRIL/NITRENDIPINE IN HYPERTENSIVE PATIENTS FOLLOWED UP TO ONE YEAR**  
J. Combalía, A. De la Sierra\*, M. Luque\*\*, C. Pontes (*Sant Joan Despí, \*Barcelona, \*\*Madrid, Spain*)
- 338 • LATE HAEMODYNAMIC EFFECTS OF ALPHA2-ADRENORECEPTOR AGONIST INFLUENCE IN CRITICAL DEVELOPMENTAL PERIODS**  
N. Feldsherova (*St. Petersburg, Russia*)
- 339 • DIFFERENCES BETWEEN RAMIPRIL AND ATENOLOL IN CAROTID GLOMUS AND AUTONOMIC GANGLIA PROTECTION IN SHR**  
J.E. Toblli, D.R. Grana, G. Cao, J. Milei (*Buenos Aires, Argentina*)

**340 • EFFECTS OF ENDOTHELIN RECEPTORS ETA AND ETB BLOCKADE ON SYSTEMIC AND RENAL HEMODYNAMICS IN COHEN-ROSENTHAL DIABETIC HYPERTENSIVE RATS**

C. Hofman, B.N. Francis\*, T. Rosenthal, J. Winaver\*, I. Rubinstein\*, E. Ovcharenko\*, Z. Abassi\* (Tel Aviv, \*Haifa, Israel)

**341 • THE POSSIBLE ROLE OF AN ENDOTHELIN-1-GENE-POLYMORPHISM IN THE PROMOTOR REGION FOR SEVERE ESSENTIAL HYPERTENSION, ATHEROSCLEROSIS AND VASCULAR EVENTS**

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**342 • CARDIAC EFFECTS OF OXYTOCIN IN FEMALE SPONTANEOUSLY HYPERTENSIVE RATS**

M. Jankowski, D. Wang, M. Gangal, M. Marcinkiewicz, J. Gutkowska (Montreal, Canada)

**343 • PST 2238 TREATMENT AFFECTS GENE EXPRESSION IN ARTERIOTOMY-INJURED MILAN HYPERTENSIVE RAT STRAIN CAROTIDS**

A. Forte, U. Galderisi, M. De Feo, G. Rodolico, P. Santè, A. Renzulli\*, L. Berrino, M. Cipollaro, M. Cotrufo, F. Rossi, A. Cascino (Naples, \*Catanzaro, Italy)

**344 • EFFECTS OF N521D POLYMORPHISM IN NATRIURETIC PEPTIDE RECEPTOR TYPE C GENE ON ALBUMINURIA AND BLOOD PRESSURE IN ALBUMINURIC TYPE 2 DIABETIC PATIENTS: THE DIABHYCAR STUDY**

N. Bellili, R. Roussel, S. Hadjadj\*\*, G. Chatellier, M. Lièvre°, J. Ménard, A. Ankotche\*, X. Jeunemaître, M. Marre (Paris, \*\*Poitiers, °Lyon, France)

**345 • RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND THE ACE D/I POLYMORPHISM**

M. Cwynar, W. Wojciechowska, K. Stolarz, B. Wizner, J. Staessen\*, L. Citterio\*\*, K. Kawecka-Jaszcz, T. Grodzicki (Cracow, Poland; \*Leuven, Belgium; \*\*Milan, Italy)

**346 • THE ASSOCIATION OF ATP2A2 POLYMORPHISMS WITH ESSENTIAL HYPERTENSION IN PATIENTS WITH OR WITHOUT LEFT VENTRICULAR HYPERTROPHY**

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**347 • GENETIC AND CLINICAL INVESTIGATIONS LOW-RENIN HYPERTENSIVE PATIENTS WITH PRIMARY ALDOSTERONISM**

K. Samedova, N. Chikhladze, M. Sudomoina, G. Litonova, M. Parfenov, O. Favorova, I. Chazova (Moscow, Russia)

**348 • DISTINCT PATTERNS OF ANGIOTENSIN II TYPE 1 RECEPTOR EXPRESSION ON CIRCULATING LEUKOCYTES IN HEALTHY SUBJECTS**

F. Marino, L. Guasti, E. Rasini, M. Cosentino, M. Legnaro, G. Gaudio, M.G. Cimpanelli, R.C. Maio, C. Crespi, L. Maroni, G.M. Frigo\*, S. Lecchini, A. Venco (Varese, \*Pavia, Italy)

**349 • INTERACTION BETWEEN NEDD4L AND ALFA-ADDUCIN POLYMORPHISMS ON BLOOD PRESSURE**

C. Lanzani, J.M. Lalouel\*, C. Tantardini, R.B. Weiss\*, S. Fattori, M.T. Sciarone, L. Citterio, D. Cusi, G. Bianchi, P. Manunta (*Milan, Italy; \*Salt Lake City, UT, USA*)

**350 • TWO CHAIN HIGH MOLECULAR WEIGHT KININOGEN IS INVOLVED IN THE REGULATION OF MATRIX METALLOPROTEINASE-2 EXPRESSION IN VASCULAR SMOOTH MUSCLE CELLS**

U. Vosgerau, E. Kaschina, M. Sommerfeld, N. Doerfel, T. Unger (*Berlin, Germany*)

**351 • Lys 109 Arg AND Glu 223 Arg POLYMORPHISMS IN THE LEPTIN RECEPTOR GENE AND LEPTIN RECEPTOR NUMBER IN HEALTHY OFFSPRING OF HYPERTENSIVE PATIENTS**

D. Papadopoulos, T. Makris, P. Krespi, M. Gazouli, L. Nanis, A. Zilidis, D. Perrea, V. Votteas (*Athens, Greece*)

**352 • FVQ506 MUTATION AND APC-R THEIR ROLE IN THE PATIENTS SUFFERING OF STROKE**

T. Makris, O. Papazachou, D. Papadopoulos, P. Krespi, M. Daskalaki, I. Paizis, A. Hatzizacharias, V. Votteas (*Athens, Greece*)

**353 • ASSOCIATION OF THE ANGIOTENSINOGEN HAPLOTYPE WITH INCREASED RISK OF ALDOSTERONE-PRODUCING ADENOMA**

G. Placha, J. Gora, A. Perkowska, B. Symonides, A. Kuch-Wocial, P. Jedrusik, W. Ciesla, M. Otto, M. Malecki\*, H. Ignatowska-Switalska, B. Wocial, J. Chodakowska, Z. Gaciong (*Warsaw, \*Cracow, Poland*)

**354 • T-344C POLYMORPHISM OF ALDOSTERONE SYNTHASE GENE AND CARDIOVASCULAR REMODELING PROCESSES IN UZBEK HYPERTENSIVE PATIENTS**

N. Sirojiddinova, M. Eliseyeva, R. Mukhamedov, B. Adilov (*Tashkent, Uzbekistan*)

**355 • CHARACTERIZATION OF NEW SDHD MUTATIONS IN SPORADIC AND FAMILIAL HEAD AND NECK PARANGLIOMA FROM BELGIUM**

A. Persu, V. Grégoire, P. Garin\*, G. Mortier\*\*, J.-F. De Plaen, M. Hamoir, M. Vikkula (*Brussels, \*Yvoir, \*\*Gent, Belgium*)

**356 • NOCTURNAL FALL OF BLOOD PRESSURE AND THE CYP11B2 C-344T POLYMORPHISM**

W. Wojciechowska, K. Stolarz, A. Olszanecka, M. Cwynar, T. Grodzicki, G. Bianchi\*, J. Staessen\*\*, K. Kawecka-Jaszcz (*Cracow, Poland; \*Milan, Italy; \*\*Leuven, Belgium*)

**357 • THE SUPEROXIDE PRODUCTION STIMULATED BY ENDOTHELIN-1 IS INDEPENDENT OF THE ERK1/2 PATHWAY IN RAT'S VASCULAR SMOOTH MUSCLE AND ENDOTHELIAL CELLS**

M.A. Laplante, R. Wu, J. de Champlain (*Montréal, Canada*)

**358 • SINGLE LOCUS AND HAPLOTYPE ANALYSES OF HUMAN GLUTATHIONE-S-TRANSFERASE TYPE MU GENE CLUSTER SUGGEST ASSOCIATION OF GSTM4 TO INDICES OF ENDOTHELIAL FUNCTION AND HYPERTENSION STATUS**

N.J.R. Brain, C. Delles, J.D. McClure, W.K. Lee, M.W. McBride, R.E. Schmieder\*, A.F. Dominiczak (*Glasgow, UK; \*Erlangen, Germany*)

**359 • ANGIOTENSIN II REGULATES VASCULAR ENDOTHELIAL GROWTH FACTOR VIA HYPOXIA INDUCIBLE FACTOR-1-ALPHA INDUCTION AND REDOX MECHANISMS IN THE KIDNEY**

E. Sanchez-Lopez, A.F. Lopez, V. Esteban, S. Yague, J. Egido, M.V. Alvarez-Arroyo, M. Ruiz-Ortega (*Madrid, Spain*)

**360 • HAPLOTYPE ANALYSIS OF SHR SUSTRAINS IN THE CHROMOSOME-1 BLOOD PRESSURE QTL**

T. Nabika, Z.-H. Cui, Y. Harada (*Izumo, Japan*)

**361 • ASSOCIATION OF THE ARG16GLY POLYMORPHISM OF THE GENE FOR BETA2-ADRENERGIC RECEPTOR WITH ARTERIAL HYPERTENSION**

M. Jáchymová, K. Horký, A. Jindra, J. Peleška, J. Bultas, A. Linhart, Z. Hlubocká, S. Heller, M. Pavlíková (*Prague, Czech Republic*)

**362 • BETA 1 ADRENOCEPTOR GENE POLYMORPHISMS INCREASE THE RISK FOR HYPERTENSION AND MODULATE THE CARDIOVASCULAR TONUS: THE OHASAMA STUDY**

T. Katsuya, Y. Fu, T. Ohkubo\*, K. Sugimoto, M. Kikuya\*, H. Metoki\*, K. Totsune\*, H. Rakugi, Y. Imai\*, T. Ogihara (*Suita, \*Sendai, Japan*)

**363 • ANP GENE POLYMORPHISMS AND CARDIAC HYPERTROPHY IN HUMAN ESSENTIAL HYPERTENSION**

S. Rubattu, G. Bigatti\*, A. Evangelista, C. Lanzani\*, R. Stanzione, P. Manunta\*, S. Tedoldi\*, T. Arcidiacono\*, G. Bianchi\*, M. Volpe\*\*, P. Stella\* (*Pozzilli-IS, \*Milan, \*\*Rome, Italy*)

**364 • STUDY OF TWO ENDOTHELIAL NITRIC OXIDE SYNTHASE POLYMORPHISMS IN A HEALTHY POPULATION: RELATIONSHIP WITH SALT SENSITIVITY, NITRIC OXIDE PRODUCTION AND CARDIOVASCULAR RISK FACTORS**

A. Alfieri, I. Hoffmann, R. Tavares-Mordwinkin\*, A. Castejon\*, L. Cubeddu\* (*Caracas, Venezuela; \*Plantation, FL, USA*)

**365 • POLYMORPHISMS IN HUMAN CONNEXIN40 GENE PROMOTER ARE ASSOCIATED WITH INCREASED RISK OF HYPERTENSION**

M. Firouzi, B. Kok, W. Spiering\*, A. Busjahn\*\*\*, C.R. Bezzina\*\*, J.M. Ruijter\*\*, B.P. Koeleman, M. Schipper, W.A. Groenewegen, H.J. Jongsma, P.W. de Leeuw\* (*Utrecht, \*Maastricht, \*\*Amsterdam, The Netherlands; \*\*\*Berlin, Germany*)

**366 • C-344T POLYMORPHISM OF ALDOSTERONE SYNTHASE AND BLOOD PRESSURE IN THE ELDERLY**

V. Tikhonoff, M. Winnicki\*, V.K. Somers\*\*, A. Rynkiewicz\*, J. Limon\*, A. Mazza, D. D'Este\*\*\*, L. Schiavon, R. Scarpa, A.C. Pessina, E. Casiglia (*Padua, \*\*\*Mirano-VE, Italy; \*Gdansk, Poland; \*\*Rochester, MN, USA*)

**367 • HYPERTENSION IN G-PROTEIN B3 SUBUNIT 825T ALLELE CARRIERS**

E. Velittchenko, G. Ryabov, A. Avtandilov, A. Bobkov (*Moscow, Russia*)

**368 • BLOOD PRESSURE, RENAL HEMODYNAMICS AND POLYMORPHISMS IN OFFSPRING OF PARENTS WITH ESSENTIAL HYPERTENSION**

K. Skov, J.K. Madsen\*, H.E. Hansen, L. Zagato\*\*\*, E. Frandsen\*\*, G. Bianchi\*\*\*, M.J. Mulvany (*Aarhus, \*Viborg, \*\*Glostrup, Denmark; \*\*\*Milan, Italy*)

**369 • RELATIONSHIP BETWEEN SERUM CONCENTRATION OF IRBESARTAN AND THE ANTIHYPERTENSIVE RESPONSE IS DISCLOSED BY AN ANGIOTENSIN II TYPE 1 RECEPTOR POLYMORPHISM**

L. Kurland, P. Hallberg, H. Melhus, U. Liljedahl, A-C. Syvänen, T. Kahan\*, L. Lind (*Uppsala, \*Stockholm, Sweden*)

**370 • SEVERE HYPERTENSION CAUSED BY ALLELES FROM NORMOTENSIVE LEWIS FOR A QUANTITATIVE TRAIT LOCUS ON CHROMOSOME 2**

V. Eliopoulos, J. Dutil, A. Deng (*Montreal, Canada*)

**371 • NO-SYNTASE GENE POLYMORPHISM AND VASCULAR REMODELING IN HYPERTENSIVE PATIENTS**

O. Yakovleva, N. Vachrameeva, M. Bogdanova, V. Larionova, A. Conrady  
(*St. Petersburg, Russia*)

**372 • HEMEOXYGENASE (HO)-1 EXPRESSION, OXIDATIVE STRESS, INFLAMMATORY CYTOKINES, AND CORONARY HEART DISEASE**

R. Ozono, A. Brydun, F. Kono, K. Okuhara, Y. Yamamoto, Y. Watari, Y. Yano, K. Igarashi, M. Kambe, T. Oshima (*Hiroshima, Japan*)

Sunday, June 19  
12.30-15.30  
Ground Floor

## Vasoactive Substances Poster Session 22

**373 • AMINOPEPTIDASE B-INHIBITION ATTENUATES COLLAGEN PRODUCTION IN CARDIAC FIBROBLASTS THROUGH INHIBITION OF LYSYL OXIDASE**

P. Lijnen, V. Petrov, R. Fagard (*Leuven, Belgium*)

**374 • TRANSFORMING GROWTH FACTOR-B1 INDUCED DIFFERENTIATION OF VASCULAR MYOFIBROBLASTS THROUGH RhoA-ROK $\alpha$  PATHWAY**

P. Gao, W. Chen, D. Zhu (*Shanghai, China*)

**375 • ADRENOMEDULLIN ALLEVIATES NOT ONLY NEOINTIMAL FORMATION BUT ALSO PERIVASCULAR HYPERPLASIA FOLLOWING ARTERIAL INJURY IN RATS**

T. Tsuruda (*Kiyotake, Japan*)

**376 • BLOOD PRESSURE RESPONSE TO ANGIOTENSIN II IS REDUCED IN THE INSULIN SENSITIVE LONG-LIVED TRANSGENIC DWARF RAT**

O. Sato, N. Ashizawa, R. Imanishi, H. Kawano, K. Tanaka, S. Seto, I. Shimokawa, K. Yano (*Nagasaki City, Japan*)

**377 • PLASMA CARDIOTROPHIN-1 IS A MARKER OF THE DEVELOPMENT AND REGRESSION OF LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSIVES**

B. López, A. González, D. Martín-Raymondi, A. Díaz, J. Barba, L. Tomás, E. Lozano, M. Serrano, J. Díez (*Pamplona, Spain*)

**378 • ADIPONECTIN AND LEPTIN PLASMA CONCENTRATIONS IN SMOKERS WITH MILD TO MODERATE ESSENTIAL HYPERTENSION AND CORONARY ARTERY DISEASE**

K. Paschalis-Purtak, B. Pucilowska, J. Janas, A. Prejbisz, Z. Dzielinska, A. Januszewicz (*Warsaw, Poland*)

**379 • C-REACTIVE PROTEIN IS MARKEDLY ELEVATED IN HYPERTENSIVE PATIENTS WITH ATRIAL FIBRILLATION COMPARED TO THOSE WITH SINUS RHYTHM**

Y. Cavusoglu, N. Yildiz, A. Birdane, A. Parspur, B. Timuralp, C. Demirüstü, N. Ata, B. Gorenek, A. Unalir (*Eskisehir, Turkey*)

**380 • HUMAN ATRIAL NATRIURETIC PEPTIDE IN NORMOTENSIVE AND HYPERTENSIVE PREGNANCY**

V. Ivanovska Maleska, E. Nikolovska, K. Zafirovska (*Skopje, Macedonia*)

**381 • ADIPONECTIN AND LEPTIN PLASMA CONCENTRATIONS IN NON-OBESE HYPERTENSIVE MEN WITH CORONARY ARTERY DISEASE WITH LEFT VENTRICULAR HYPERTROPHY**

K. Paschalis-Purtak, B. Pucilowska, A. Klisiewicz, J. Janas, A. Prejbisz, Z. Dzielinska, A. Januszewicz (*Warsaw, Poland*)

**382 • CORRELATION OF MATERNAL AND CORD BLOOD IL-6 LEVELS WITH PREGNANCY INDUCED HYPERTENSION**

V. Jain, R. Bagga, S. Jain, N. Varma, S. Jain, S. Sharma (*Chandigarh, India*)

- 383 • ADIPONECTIN PLASMA CONCENTRATION IN PATIENTS WITH ESSENTIAL HYPERTENSION - IS THERE RELATION TO ECHOCARDIOGRAPHIC PARAMETERS?**  
I. Cendrowska-Demkow, M. Peczkowska, A. Prejbisz, M. Kabat, J. Janas, P. Hoffman, Z. Dzielinska, R. Lorenz, R. Mielniczuk, M. Januszewicz, A. Januszewicz (*Warsaw, Poland*)
- 384 • DOES NEUROPEPTIDE Y PLAY A ROLE IN THE PATHOGENESIS OF BLOOD PRESSURE INCREASE IN ELDERLY HEALTHY SUBJECTS?**  
M. Adamczak, E. Rzepka, A. Wiecek (*Katowice, Poland*)
- 385 • HYPERHOMOCYSTEINEMIA PREDICTS TOTAL AND CARDIOVASCULAR MORTALITY IN HIGH RISK WOMEN**  
G.P. Rossi, G. Maiolino, M. Cesari, T.M. Seccia\*, A. Burlina, S. Zavattiero, D. Sticchi, L. Pedon\*\*, M. Zanchetta\*\*, A.C. Pessina (*Padua, \*Bari, \*\*Cittadella-PD, Italy*)
- 386 • IS SERUM MATRIX METALLOPROTEINASE TISSUE INHIBITOR TYPE 1 LEVELS HIGHER IN DIPPER HYPERTENSIVE PATIENTS?**  
E. Onrat, M. Serteser, A. Celik, D. Kaya\*, A. Kahraman, T. Koken, M. Alpaslan\*\*, M. Melek, C. Kilit (*Afyon, \*Izmir, \*\*Konya, Turkey*)
- 387 • CAN NEBIVOLOL REDUCE PLATELET ACTIVATION IN HYPERTENSION: A COMPARATIVE STUDY WITH METOPROLOL**  
T. Celik, A. Ilysoy, H. Kursaklioglu, B. Amasyali, S. Kose, E. Isik (*Ankara, Turkey*)
- 388 • HOMOCYSTEINE AND ESSENTIAL HYPERTENSION**  
V. Titov, V. Dmitriev, E. Ochepkova, A. Rogoza (*Moscow, Russia*)
- 389 • NT-PRO-BNP-LEVELS IN CORRELATION TO PULSE PRESSURE VALUES**  
B. Gremmler, K. Kisters\*, M. Kunert, H. Schleiting, L.J. Ulbricht\*\* (*Boitrop, \*Herne, \*\*Witten, Germany*)
- 390 • IMPAIRED CIRCADIAN RHYTHM OF BLOOD PRESSURE IN PATIENTS WITH ESSENTIAL HYPERTENSION AND INCREASED C-REACTIVE PROTEIN**  
V. Dmitriev, E. Ochepkova, V. Titov, A. Rogoza (*Moscow, Russia*)
- 391 • ENDOTHELIN 1 VENOUS CONCENTRATION IN HEALTHY SUBJECTS**  
L. Zibar, J. Barbic, M. Bilandžija, G. Samardžija, M. Jakic (*Osijek, Croatia*)

Sunday, June 19  
Red Hall 2

## Clinical Case

15.30-16.30

**Deterioration of renal function in a patient  
with refractory hypertension**

B. Waeber (*Lausanne, Switzerland*)

Sunday, June 19  
Red Hall 1  
15.30-17.00

## Vasoactive Substances Oral Session 6A

Chairmen:

**M.A.D.H. Schalekamp** (*Rotterdam, The Netherlands*)

**J. Widimsky** (*Prague, Czech Republic*)

**15.30 • LECTURE:**

**“CYTOKINES IN HYPERTENSIVE HEART DISEASE: MEDIATORS, MARKERS OR BOTH?”**

J. Diez (*Pamplona, Spain*)

**16.00 • URINARY 20-HYDROXYEICOSATETRAENOIC ACID EXCRETION IS ASSOCIATED WITH OXIDATIVE STRESS IN HYPERTENSIVE SUBJECTS**

N.C. Ward, I.B. Puddey, J.M. Hodgson, K.D. Croft (*Perth, Australia*)

**16.15 • TIME DEPENDENT EXPRESSION OF LEFT VENTRICULAR AND RENAL NATRIURETIC PEPTIDE RECEPTORS A AND C IN A CHRONIC RENAL FAILURE RAT MODEL**

B. Santos-Araújo, R. Roncon-Albuquerque, B. Faria, M. Rodrigues, B. Sampaio-Maia, A. Leite-Moreira, M. Pestana (*Porto, Portugal*)

**16.30 • CONNECTIVE TISSUE GROWTH FACTOR IS INVOLVED IN THE ANGIOTENSIN II INDUCED COLLAGEN SYNTHESIS IN THE VASCULAR ADVENTITIAL FIBROBLAST**

P. Gao, Z. Che, D. Zhu (*Shanghai, China*)

**16.45 • THE GNB3 C825T POLYMORPHISM AND HYPERTENSION IN A MULTIRACIAL POPULATION**

G. Mairuhu, N.R. Bindraban, G.A. van Montfrans, A.G. Uitterlinden\*, E.J.G. Sijbrands\*, R.P. Koopmans (*Amsterdam, \*Rotterdam, The Netherlands*)

Sunday, June 19  
Auditorium  
15.30-17.00

## Clinical Trials Oral Session 6B

Chairmen:

**C. Borghi** (*Bologna, Italy*)

**S. Erdine** (*Istanbul, Turkey*)

**15.30 • LONG TERM TREATMENT OF HYPERTENSION AND SYSTOLIC BLOOD PRESSURE RISE. A THIRTY-YEAR FOLLOW-UP STUDY**

A. Himmelmann, T. Almgren, M. Fagerlind, B.R. Widgren, L. Wilhelmsen, O.K. Andersson (*Göteborg, Sweden*)

**15.45 • OUTCOME IMPROVES AS PROPORTION OF VISITS IN WHICH BLOOD PRESSURE WAS CONTROLLED INCREASES, FINDINGS FROM THE INTERNATIONAL VERAPAMIL SR TRANDOLAPRIL STUDY (INVEST)**

G. Mancina, Q. Zhou\*, A. Champion\*, C. Pepine\*\* (*Milan, Italy; \*Abbott Park, IL, \*\*Gainesville, FL, USA*)

**16.00 • CLINICAL OUTCOMES IN PARTICIPANTS WITH CARDIOVASCULAR DYSMETABOLIC SYNDROME IN THE ANTIHYPERTENSIVE AND LIPID-LOWERING TREATMENT TO PREVENT HEART ATTACK TRIAL (ALLHAT)**

H. Black, B. Davis\*, for the ALLHAT Collaborative Research Group (*Chicago, IL, \*Houston, TX, USA*)

**16.15 • A DOUBLE BLIND, RANDOMISED, CROSS-OVER TRIAL OF AMILORIDE AND SPIRONOLACTONE IN BLACK HYPERTENSIVES WITH AND WITHOUT THE T594M BETA-SUBUNIT EPITHELIAL SODIUM CHANNEL POLYMORPHISM**

P. Swift, N. Markandu, M. Wood, H. Zhu, G. Sagnella, G. MacGregor (*London, UK*)

**16.30 • VALUE STUDY: OUTCOMES IN 7080 PATIENTS TREATED WITH MONOTHERAPY**

S. Julius, S.E. Kjeldsen\*, G. McInnes\*\* for the VALUE Steering Committee (*Ann Arbor, MI, USA; \*Oslo, Norway; \*\*Glasgow, UK*)

**16.45 • PROGNOSTIC VALUE OF AMBULATORY BLOOD PRESSURE. NEW DATA OF THE OvA STUDY**

M. De Buyzere, D.L. Clement, D. De Bacquer, for the OvA Investigators (*Gent, Belgium*)

15.30-17.00

### **Obesity-related hypertension**

Chairmen:

**G. Grassi** (*Milan, Italy*)

**K. Narkiewicz** (*Gdansk, Poland*)

### **Neurohumoral and metabolic control of body weight**

W. Haynes (*Iowa City, IA, USA*)

### **Obesity, hypertension and cardiovascular risk**

K. Narkiewicz (*Gdansk, Poland*)

### **Recent developments in the pharmacotherapy of obesity**

A.M. Sharma (*Hamilton, Canada*)

### **Management of obesity-related hypertension**

G. Grassi (*Milan, Italy*)

### **Discussion**

Sunday, June 19  
Yellow Hall  
15.30-17.00

## Renal Aspects Oral Session 6C

Chairmen:

**A. Mimran** (*Montpellier, France*)

**I. Os** (*Oslo, Norway*)

**15.30 • EFFECTS OF TELMISARTAN VERSUS RAMIPRIL ON ENDOTHELIUM FUNCTION OF THE RENAL VASCULATURE IN TYPE 2 DIABETES**

R.E. Schmieder, C. Delles, A. Mimran\*, J.P. Fauvel\*\*, L. Ruilope\*\*\* (*Erlangen, Germany; \*Montpellier, \*\*Lyon, France; \*\*\*Madrid, Spain*)

**15.45 • RESTENOSIS AFTER PERCUTANEOUS TREATMENT IN ATHEROSCLEROTIC RENOVASCULAR DISEASE**

S. Pinto, E. Daghini, M. Sanna, G. Gori, C. Vignali, R. Cioni, I. Bargellini, A. Salvetti (*Pisa, Italy*)

**16.00 • SHORT AND LONG TERM ANTIHYPERTENSIVE EFFECTS OF RENAL ANGIOPLASTY VS MEDICAL TREATMENT IN PATIENTS WITH ATHEROSCLEROTIC RENAL ARTERY STENOSIS**

A. Borrello, A. Morganti (*Milan, Italy*)

**16.15 • LONG-TERM CHANGES IN ALBUMINURIA IN UNTREATED HYPERTENSION**

P. Palatini, P. Mormino, D. Longo, F. Dorigatti, M. Santonastaso, L. Mos, M. Dal Follo, T. Biasion, V. Zaetta, R. De Toni, G. Graniero, A. Pessina (*Padua, Italy*)

**16.30 • RENAL FUNCTION AND CARDIOVASCULAR RISK IN PATIENTS WITH ESSENTIAL HYPERTENSION. A PRIMARY CARE-BASED EVALUATION IN SPAIN: THE FRESHA STUDY**

R. Marín, F. Fernández-Vega, A. Riesgo, M.A. Prieto, P. Herrero, J. Vázquez, S. Tranche, M. Gorostidi\* (*Oviedo, \*Coaña, Asturias, Spain*)

**16.45 • TREATMENT OF RENOVASCULAR HYPERTENSION WITH TRANSLUMINAL ANGIOPLASTY: A FOLLOW-UP ON THIRTEEN YEARS EXPERIENCE**

K.A. Øvrehus, P.E. Andersen, I.A. Jacobsen (*Odense, Denmark*)

Chairmen:

**A.M. Heagerty** (*Manchester, UK*)

**J.M. Mallion** (*Grenoble, France*)

17.00-17.20

**The Felodipine Event Reduction (FEVER) study: a randomized long-term placebo controlled trial in Chinese hypertensive patients**

L. Liu, Y. Zhang, G. Liu, W. Li, X. Zhang, A. Zanchetti\* for the FEVER study group (*Beijing, China; \*Milan, Italy*)

17.20-17.50

**Presentation of Awards**

**Björn Folkow Award**

H. Haller (*Hannover, Germany*)

**Alberto Zanchetti Life Achievement Award**

P. Sleight (*Oxford, UK*)

**Lennart Hansson Memorial Lecture**

P. Omvik (*Bergen, Norway*)

**Paul Milliez Award**

J. Ménard (*Paris, France*)

**Jiri Widimsky Awards**

J. Kucerova (*Pilsen, Czech Republic*)

K. Stolarz (*Cracow, Poland*)

B. Strauch (*Prague, Czech Republic*)

**Servier SNS Research Award of ESH**

K. Narkiewicz (*Gdansk, Poland*)

**ESH Honorary Membership**

S. Julius (*Ann Arbor, MI, USA*)

B.N.C. Prichard (*London, UK*)

J.L. Rodicio (*Madrid, Spain*)

17.50-18.20

Björn Folkow Award Lecture

**Travel across the vessel wall - who's doing what and to whom?**

H. Haller (*Hannover, Germany*)