

A SCIENTIFIC CONFERENCE  
WITH INTERNATIONAL PARTICIPATION

**„NUTRITION, TREATMENT AND  
CARDIOVASCULAR RISK MANAGEMENT“**

Organized by

**SERBIAN ASSOCIATION FOR ARTERIOSCLEROSIS,  
THROMBOSIS AND VASCULAR BIOLOGY RESEARCH  
& THE SERBIAN PHYSIOLOGICAL SOCIETY**

*WITH 12 HOURS OF EUROPEAN EXTERNAL CME CREDITS (ECMEC) BY  
EUROPEAN ACCREDITATION COUNCIL FOR CONTINUING MEDICAL  
EDUCATION (EACCME)*

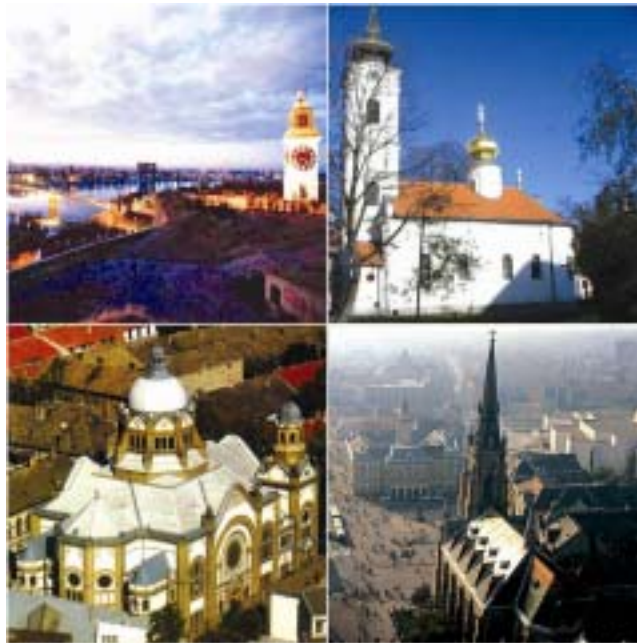
Under the auspices of

*Ministry of Sciences and Environmental Protection*

*Ministry of Health*

*Serbian Academy of Sciences and Arts - Branch in Novi Sad*

*International Academy of Cardiovascular Sciences (IACS)*



**FINAL PROGRAM**

**MAY 24-27, 2007**

**HOTEL PARK, NOVI SAD, SERBIA**

[www.physiology.org.yu/eng/htm/konf2007/program.pdf](http://www.physiology.org.yu/eng/htm/konf2007/program.pdf)

## FOREWORD

For the last few years, the *Serbian Physiological Society*, with the special involvement of its *Section for Arteriosclerosis, Thrombosis and Vascular Biology Research* has developed a series of internationally recognized conferences. The First Congress of Physiological Sciences with international participation (November 9-12, 2005), as well as the Satellite Symposium of the XIV International Symposium on Atherosclerosis (June 15-16, 2006) held at the Military Medical Academy in Belgrade are two excellent recent examples of such activities. These meetings attracted a worldwide scientific audience and was supported by the *International Academy of Cardiovascular Sciences (IACS)*, the *International Atherosclerosis Society (IAS)*, the *Federation of European Physiological Societies (FEPS)*, the *International Union of Physiological Sciences (IUPS)*, and the *International Society for Pathophysiology (ISP)*.

One of the first thematic conferences that we organized was held in multicultural Vojvodina (Zrenjanin, November 7-9, 2003). Four years later it was decided that a similar event should be organized in beautiful Novi Sad on Danube River. The focus of the meeting is “**NUTRITION, TREATMENT AND CARDIOVASCULAR RISK MANAGEMENT**” which presents a unique opportunity to provide the latest information in the fight against the most widespread disease in the world today - arteriosclerosis and all of its consequences. In Serbia, mortality caused by atherosclerosis has reached the astonishing rate of more than 56%. Improper nutrition and obesity play important roles in the pathogenesis of this severe disease and its direct consequences. With these sobering facts in mind, justification for such a meeting is clear. This meeting will provide a unique opportunity to bring together medical researchers and clinical practitioners as well as scientists in other related disciplines like food production and examination. This multidisciplinary focus of the meeting will also fulfill standards in this regard that will soon be required by the European Union in the near future.

The strong support given by domestic eminent experts in this field as well as that shown by our scientific friends from abroad give every indication that this meeting will be an unqualified success!

Welcome to Novi Sad!

Vladimir Jakovljević and Dragan Djurić  
CONFERENCE CO-PRESIDENTS

## **CONFERENCE CO-PRESIDENTS**

Jakovljević V (Kragujevac, Serbia) and Djurić D (Belgrade, Serbia)

## **HONORARY CO-PRESIDENTS**

Dhalla NS (Winnipeg, Canada), McNamara DB (New Orleans, USA), Pierce GN (Winnipeg, Canada), Lepšanović L (Novi Sad, Serbia)

## **INTERNATIONAL ADVISORY BOARD\***

Arsenijević N (Kragujevac, Serbia)  
Berkowitz I (Winnipeg, Canada)  
Buttar H (Ottawa, Canada)  
Chaldakov G (Varna, Bulgaria)  
Dejanova B (Skopje, FRY Macedonia)  
Djokić I (Leeds, UK)  
Djokić T (Kosovska Mitrovica, Serbia)  
Janković S (Kragujevac, Serbia)  
Javorka K (Martin, Slovak Republic)  
Jovović Dj (Belgrade, Serbia)  
Jurišić V (Kragujevac, Serbia)  
Kovačević Z (Novi Sad, Serbia)  
Mijailović Z (Belgrade, Serbia)  
Mitrović D (Belgrade, Serbia)  
Nedeljković S (Belgrade, Serbia)  
Nešić M (Ottawa, Canada)  
Vijayan VK (New Delhi, India)  
Ostojić M (Belgrade, Serbia)  
Rakić Lj (Belgrade, Serbia)  
Ristić-Medić D (Belgrade, Serbia)  
Rosić G (Kragujevac, Serbia)  
Rosić M (Kragujevac, Serbia)  
Savić M (Belgrade, Serbia)  
Schaffer S (Mobile, USA)  
Srivastava AK (Montreal, Canada)  
Srivastava MA (Montreal, Canada)  
Starčević V (Belgrade, Serbia)  
Stanojlović O (Belgrade, Serbia)  
Suzić S (Belgrade, Serbia)  
Škorić D (Novi Sad, Serbia)  
Šoštarič M (Ljubljana, Slovenia)  
Šušić V (Belgrade, Serbia)  
Todorović V (Belgrade, Serbia)  
Velimirović D (Belgrade, Serbia)

\* Surnames are given following alphabetical order

**THURSDAY, MAY 24<sup>TH</sup> 2007**

Hotel Park-Amphiteatre

**PRESESSION: BASIC AND APPLIED RESEARCH**  
**CME SESSION (SERBIAN LANGUAGE/SRPSKI JEZIK)**

**Chairmen: Rosić M (Kragujevac), Jovović Dj (Belgrade), Radaković S (Belgrade)**

15.00-15.15

**TRANSPORT AND BIOMECHANICAL PREFERENCES OF CARDIOVASCULAR SYSTEM IN THE PRESENCE AND ABSENCE OF L-ARGININE. L-ARGININE SUPPLEMENTATION?**

Pantović S, Rosić G, Obradović Z, Rosić M

*Department of Physiology, Faculty of Medicine, University of Kragujevac, Kragujevac, Serbia*

15.15-15.30

**EFFECTS OF LONG TERM LOSARTAN AND L-ARGININE TREATMENT ON HAEMODYNAMICS AND OXIDATIVE STATUS IN SPONTANEOUSLY HYPERTENSIVE RATS**

Miloradović Z, Jovović Dj, Mihailović-Stanojević N, Grujić J

*Department for Cardiovascular Physiology, Institute for Medical Research, Belgrade, Serbia*

15.30-15.45

**CARDIOVASCULAR RISK AS ASSESSED BY ENDOGENOUS ADENOSINE AS A GOOD CORRELATING PARAMETER FOR ENDOTHELIAL FUNCTION RESERVE**

Vranić I, Simić T, Ristić M

*Institute for Cardiovascular Diseases, Clinical Center of Serbia, Belgrade*

15.45-16.00

**THE INFLUENCE OF DIETARY FACTORS ON EXPRESSION AND FUNCTION OF CYP ENZYMES: ROLE IN PATHOGENESIS, PREVENTION AND THERAPY OF CARDIOVASCULAR DISEASES**

Radaković S<sup>1</sup>, Radjen S<sup>1</sup>, Šurbatović M<sup>2</sup>, Marić J<sup>3</sup>

*<sup>1</sup>Sector of Preventive Medicine, Military Medical Academy, Belgrade; <sup>2</sup>Clinic of Anesthesiology and Intensive Therapy, Military Medical Academy, Belgrade; <sup>3</sup>Institute for Medical Research, Belgrade, Serbia*

16.00-16.15

**GHRELIN AND ENERGY BALANCE**

Stevanović D<sup>1</sup>, Nešić D<sup>1</sup>, Milošević V<sup>2</sup>, Starčević V<sup>1</sup>, Sewers WB<sup>3</sup>

*<sup>1</sup>Institute of Medical Physiology, School of Medicine, University of Belgrade, <sup>2</sup>Institute for Biological Research "Siniša Stanković", Belgrade, Serbia, <sup>3</sup>Pharmacology Department, Pennsylvania State University, College of Medicine, Hershey, PA, USA*

16.15-16.45 Coffee break

**Chairmen: Stanojlović O (Belgrade), Dejanova B (Skopje, FRY Macedonia), Bojanić V (Niš)**

16.45-17.00

**HEMODIALYSIS MEMBRANES AND OXIDATIVE STRESS**

Dejanova B<sup>1</sup>, Dejanov P<sup>2</sup>, Petrovska S<sup>1</sup>, Maleska V<sup>1</sup>, Antevska V<sup>1</sup>

<sup>1</sup>*Institute of Physiology,* <sup>2</sup>*Clinic of Nephrology, Medical Faculty, Skopje, Republic of Macedonia*

17.00-17.15

**RENAL DAMAGE INDUCED BY MONOSODIUM GLUTAMATE IN RATS**

Bojanić V<sup>1</sup>, Najman S<sup>2</sup>, Bojanić Z<sup>3</sup>, Rančić G<sup>4</sup>, Živanov-Čurlis J<sup>2</sup>, Djindjić B<sup>1</sup>, Savić T<sup>1</sup>

<sup>1</sup>*Institute of Pathophysiology,* <sup>2</sup>*Institute Biology with Human Genetics,* <sup>3</sup>*Institute of Pharmacology,* <sup>4</sup>*Institute of Histology, Faculty of Medicine, University of Niš, Serbia*

17.15-17.30

**PHARMACOLOGICAL EFFECTIVENESS OF STEVIOSIDE IN RATS**

Rašković A<sup>1</sup>, Mikov M<sup>2</sup>, Jakovljević V<sup>1</sup>, Djaković-Švajcer K<sup>1</sup>

<sup>1</sup>*Department of Pharmacology, Toxicology & Clinical Pharmacology, School of Medicine, University of Novi Sad, Serbia,* <sup>2</sup>*School of Pharmacy, University of Otago, New Zealand*

17.30-17.45

**THE EFFECTS OF GMCSF ON GROWTH, NUTRITION AND MAINTAINANCE OF HEMATOLOGICAL CELL LINES**

Jurišić V<sup>1</sup>, Jakimov D<sup>2</sup>, Kojić V<sup>2</sup>, Bogdanović G<sup>2</sup>

<sup>1</sup>*Department of Pathophysiology, Faculty of Medicine, University of Kragujevac, Kragujevac,* <sup>2</sup>*Institute of Oncology Sremska Kamenica, Sremska Kamenica, Serbia*

17.45-18.00

**INHIBITION OF CONVULSIONS IN LINDANE – TREATED RATS BY IFENPRODIL**

Hrnčić D<sup>1</sup>, Stanojlović O<sup>1</sup>, Rašić A<sup>1</sup>, Mladenović D<sup>2</sup>, Vučević D<sup>2</sup>, Radosavljević T<sup>2</sup>, Šušić V<sup>3</sup>

<sup>1</sup>*Institute of Medical Physiology,* <sup>2</sup>*Institute of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Serbia,* <sup>3</sup>*Serbian Academy of Sciences and Arts*

20.00 Welcome Reception/Hotel Park

**FRIDAY, MAY 25<sup>TH</sup> 2007**

Hotel Park-Amphitheatre

**9.00-9.30 WELCOME MESSAGES**

**Chairmen: Lepšanović L (Novi Sad), Djurić D (Belgrade), Jakovljević V (Kragujevac)**

Dhalla NS, *Executive Director and Founder, International Academy of Cardiovascular Sciences*  
Kovačević Z, *Chairman, Serbian Academy of Sciences and Arts- Branch in Novi Sad*

Popović S, *Dean, Faculty of Medicine, University of Novi Sad*

Djurić D, *President, Serbian Physiological Society & Serbian Association for Arteriosclerosis, Thrombosis and Vascular Biology Research*

**Serbian Physiological Society Lifetime Achievement Award in Cardiovascular Sciences for:**

Prof. Dr. med. Srećko Nedeljković, *School of Medicine University of Belgrade,*  
*Founder and Honorary Chairman, Yugoslav and Serbian Society of Cardiology*

**Serbian Physiological Society Lifetime Achievement Award in Lipidology for:**

Prof. Dr. med. Lazar Lepšanović, *Faculty of Medicine University of Novi Sad,*  
*Founder and Chairman, Yugoslav Board on Lipidology*

**SESSION 1: NEW PERSPECTIVES IN CARDIOVASCULAR RESEARCH**

**Chairmen: Dhalla NS (Winnipeg, Canada), McNamara DB (New Orleans, USA), Pierce GN (Winnipeg, Canada), Schaffer S (Mobile, USA)**

9.30-10.00

**ROLE OF RENIN-ANGIOTENSIN SYSTEM IN CARDIAC DYSFUNCTION IN CHRONIC DIABETES**

Dhalla NS

*Institute of Cardiovascular Sciences, St. Boniface General Hospital Research Centre, Faculty of Medicine, University of Manitoba, Winnipeg, Canada*

10.00-10.30

**THE USE OF FLAXSEED AS A DIETARY INTERVENTION TO INFLUENCE CARDIOVASCULAR DISEASE**

Dupasquier CMC, Ander B, Austria A, Edel A, Patenaud A, Lukas A, Chahine M, Pierce GN  
*Institute of Cardiovascular Sciences, St. Boniface General Hospital Research Centre, Faculty of Medicine, University of Manitoba, Winnipeg, Canada*

10.30-11.00

**ROSIGLITAZONE REDUCES SERUM HOMOCYSTEINE LEVELS AND INTIMAL HYPERPLASIA**

McNamara DB, Murthy SN, Fonseca VA

*Departments of Pharmacology and Medicine, Tulane University Health Sciences Center , New Orleans , Louisiana, USA*

11.00-11.30

**MECHANISM UNDERLYING ANGIOTENSIN II-MEDIATED APOPTOSIS: NOVEL MECHANISM OF CELL DEATH**

Schaffer SW, Ricci C, Pastukh V, Schaffer KH

*University of South Alabama, College of Medicine, Department of Pharmacology, Mobile, Alabama, USA*

11.30-12.00 Coffee break

<b>SESSION 2: GLOBAL INTERVENTION AT THE POPULATION LEVEL</b>
---

**Chairmen: Vijayan VK (Delhi, India), Buttar HS (Ottawa, Canada), Berkowitz I (Winnipeg, Canada)**

12.00-12.30

**HEALTH BENEFITS OF SMOKING CESSATION WITH SPECIAL REFERENCE TO CARDIORESPIRATORY HEALTH**

Vijayan VK

*Vallabhkhai Patel Chest Institute, University of Delhi, Delhi, India*

12.30-13.00

**PROMOTION OF HEART HEALTH**

Berkowitz I

*Development Affairs, International Academy of Cardiovascular Sciences, Winnipeg, Canada*

13.00-13.30

**DRUG-HERBAL/FOOD INTERACTIONS: MECHANISMS OF INTERACTIONS AND THEIR CLINICAL IMPLICATIONS**

Buttar HS

*Therapeutic Products Directorate, Reproduction and Urology Division, Health Canada, Ottawa, Canada*

13.30-14.30 Coffee break

### SESSION 3: SPECIAL GUEST LECTURE I

**Chairmen: Buttar HS (Ottawa, Canada), Šoštarić M (Ljubljana, Slovenia), Chaldakov G (Varna, Bulgaria)**

14.30-14.45

#### **CARDIAC PRECONDITIONING AND INHALATIONAL ANESTHETICS**

Šoštarić M<sup>1</sup>, Geršak B<sup>2</sup>

*<sup>1</sup>Clinical Department of Anesthesiology and Intensive Care, <sup>2</sup>Cardiovascular Surgery, University Medical Center, Ljubljana, Slovenia*

14.45-15.00

#### **THE DARK SIDE OF HERBAL AND AYURVEDIC MEDICINES**

Buttar HS

*Therapeutic Products Directorate, Reproduction and Urology Division, Health Canada, Ottawa, Canada*

15.00-15.15

#### **METABOTROPHIC FACTORS AND CARDIOMETABOLIC DISEASE**

Chaldakov G<sup>1,2</sup>, Tonchev AB<sup>1,2</sup>, Fiore M<sup>3</sup>, Dimitrov D<sup>2</sup>, Pancheva R<sup>2</sup>, Rančić G<sup>4</sup>, Aloe L<sup>3</sup>

*<sup>1</sup>Division of Cell Biology and <sup>2</sup>Nutrigenomics Center, Medical University, Varna, Bulgaria, <sup>3</sup>Institute of Neurobiology, National Research Council-European Brain Research Institute, NGF Section, Rome, Italy, <sup>4</sup>Department of Histology and Embryology, Medical Faculty, Niš, Serbia*

15.15-16.30 Lunch break

### SESSION 4: ATHEROSCLEROSIS, SCREENING AND THERAPEUTICAL INTERVENTION

CME SESSION (SERBIAN LANGUAGE/SRPSKI JEZIK)

**Chairmen: Ivković-Lazar T (Novi Sad), Mijailović Z (Belgrade), Katanić D (Novi Sad), Stojanović T (Kragujevac)**

16.30-16.45

#### **LIPID METABOLISM IN ABDOMINAL TYPE OF OBESITY**

Ivković-Lazar T

*Department of Endocrinology, Institute of Internal Disease, Clinical Centre Vojvodina, Medical Faculty, Novi Sad, Serbia*

16.45-17.00

#### **METABOLIC SYNDROME IN CHILDREN**

Katanić D, Vorgučin I, Vlaški J, Dautović S

*Institute for Children and Youth Health Care of Vojvodina, Novi Sad, Serbia*



17.00-17.15

**WHY DO PLAQUES RUPTURE: NEW EVIDENCES?**

Mijailović Z

*Department of Cardiology, Military Medical Academy, Belgrade*

17.15-17.30

**INTIMA-MEDIA THICKNESS AS A MARKER OF CARDIOVASCULAR RISK**

Radjen S<sup>1</sup>, Radaković S<sup>1</sup>, Jovelić A<sup>2</sup>, Radjen G<sup>3</sup>, Djurović B<sup>1</sup>

*<sup>1</sup>Sector of Preventive Medicine, Military Medical Academy, Belgrade, <sup>2</sup>University Clinic of Cardiology, Institute of Cardiovascular Diseases, Sremska Kamenica, <sup>3</sup>Department of Cardiology, Military Medical Academy, Belgrade, Serbia*

17.30-17.45

**LIPID METABOLISM IN PATIENTS WITH SUBCLINICAL HYPOTHYROIDISM**

Stojanović T<sup>1</sup>, Paunović B<sup>2</sup>, Varagić-Stojanović Z<sup>3</sup>

*<sup>1</sup>Department of Biochemistry and Clinical Biochemistry, Faculty of Medicine, University of Kragujevac, <sup>2</sup>Department of Laboratory Medicine, Health Center, Kikinda, <sup>3</sup>Department of Laboratory Medicine, Clinical Center of Serbia, Belgrade, Serbia*

17.45-18.00

**FIGHT AGAINST ATHEROSCLEROSIS: KEY ROLE OF HDL CHOLESTEROL**

Radjen G<sup>1</sup>, Radjen S<sup>2</sup>, Jovelić A<sup>3</sup>, Radaković S<sup>2</sup>

*<sup>1</sup>Clinic of Cardiology Military Medical Academy, Belgrade, <sup>2</sup>Sector of Preventive Medicine, Military Medical Academy, Belgrade, <sup>3</sup>University Clinic of Cardiology, Institute of Cardiovascular Diseases, Sremska Kamenica, Serbia*

18.00-18.15

**PHARMACOLOGY OF ARTERIAL DISEASE: HDL TARGETED THERAPIES**

Jovelić A<sup>1</sup>, Čemerlić-Adjić N<sup>1</sup>, Radjen S<sup>2</sup>, Dinčić D<sup>3</sup>

*<sup>1</sup>Institute of Cardiovascular Diseases, University Clinic of Cardiology, Sremska Kamenica, <sup>2</sup>Institute of Hygiene, Military Medical Academy, Belgrade, <sup>3</sup>Department of Emergency Internal Medicine, Military Medical Academy, Belgrade, Serbia*

18.15-18.30

**OXIDATIVE STRESS REDUCTION BY BIO-RESONANCE THERAPY AND FUNCTIONAL FOOD PRODUCTS IN PATIENTS WITH CANCER**

Djujić I<sup>1</sup>, Lalić T<sup>2</sup>

*<sup>1</sup>Center for Balanced and High Quality Live „Balans Medika”, Belgrade, <sup>2</sup>Department of Chemistry, IHTM, University of Belgrade, Belgrade, Serbia*

18.30-18.45

**EFFECTS OF USE THE HYPERBARIC OXYGENATION ON OXYDATIVE STRESS IN PATIENTS WITH DIABETES MELLITUS TYPE II**

Tepić S<sup>1</sup>, Živković M<sup>1</sup>, Sosdean R<sup>2</sup>, Zamfir N<sup>2</sup>, Jakovljević V<sup>3</sup>

*<sup>1</sup>HBO Medical Center, Beograd, <sup>2</sup>University for Medicine and Pharmacy "Victor Babes", Timisoara, Romania, <sup>3</sup>Department of Physiology, Faculty of Medicine, University of Kragujevac, Serbia*

Free evening

**SATURDAY, MAY 26<sup>TH</sup> 2007**

Hotel Park-Amphiteatre

**SESSION 5: CARDIOVASCULAR RISK FACTORS AND NUTRITION**  
**CME SESSION (SERBIAN LANGUAGE/SRPSKI JEZIK)**

**Chairmen: Novaković B (Novi Sad), Stokić E (Novi Sad), Martinov-Cvejcin M (Novi Sad),  
Pantelinac P (Novi Sad)**

8.30-8.45

**OBESITY, METABOLIC SYNDROME, BODY WEIGHT REDUCTION AND  
NUTRITION**

Novaković B, Martinov-Cvejcin M, Grujičić M

*Department of Hygiene, Institut of Public Health, Novi Sad, Serbia*

8.45-9.00

**NUTRITION AND ITS IMPORTANCE IN DIABETES TREATMENT**

Pantelinac P

*Clinic for Endocrinology, Diabetes and Metabolic Diseases, Clinical Center Novi Sad, Serbia*

9.00-9.15

**NUTRITIONAL STATUS OF THE ELDERLY AS ONE OF THE CARDIOVASCULAR  
RISKS**

Jovanovski Z<sup>1</sup>, Vasiljević N<sup>2</sup>, Knežević T<sup>1</sup>

*<sup>1</sup>Institute of Public Health of Serbia, Belgrade, <sup>2</sup>Institute of Hygiene, University School of  
Medicine, Belgrade, Serbia*

9.15-9.30

**INFLAMMATORY CYTOKINES AND MALNUTRITION AS RELATED TO RISK FOR  
CORONARY HEART DISEASE IN HEMODIALYSIS PATIENTS**

Peruničić G<sup>1</sup>, Plješa S<sup>1</sup>, Rašić Z<sup>2</sup>, Stanković S<sup>3</sup>, Ilić M<sup>3</sup>

*<sup>1</sup>Department of Nephrology, University Hospital Zemun, <sup>2</sup>Department of Endocrinology,  
University Hospital Zemun, <sup>3</sup>Institute of Medical Biochemistry, Clinical Centre of Serbia,  
Belgrade, Serbia*

9.30-9.45

**EFFECTS OF N-3 PUFAs SUPPLEMENTATION ON INSULIN RESISTANCE AND  
SOME INFLAMMATORY BIOMARKERS IN HEMODIALYSIS PATIENTS**

Rašić-Milutinović Z<sup>1</sup>, Peruničić G<sup>2</sup>, Plješa S<sup>2</sup>, Gluvić Z<sup>1</sup>, Šobajić S<sup>3</sup>, Djurić I<sup>3</sup>, Ristić-Medić D<sup>4</sup>

*<sup>1</sup>Department of Endocrinology, University Hospital Zemun/Belgrade, <sup>2</sup>Department of Nephrology  
and Dialysis, University Hospital Zemun/Belgrade, <sup>3</sup>Faculty of Pharmacy, Belgrade, <sup>4</sup>Institute for  
Medical Research, Laboratory for Nutrition and Metabolism, Belgrade, Serbia*

9.45-10.00

**PHARMACOTHERAPY OF METABOLIC SYNDROME**

Stokić E

*Department of Endocrinology, Institute of Internal Disease, Clinical Centre Vojvodina, Medical  
Faculty Novi Sad, Serbia*

10.00-10.15

**ω-6 AND ω-3 ESSENTIAL FATTY ACID STATUS IN HUMAN HEALTH AND DISEASE IN SERBIAN POPULATION**

Ristić-Medić D<sup>1</sup>, Arsić A<sup>1</sup>, Poštić M<sup>1</sup>, Peruničić G<sup>2</sup>, Tufegdžić M<sup>3</sup>, Glibetić M<sup>1</sup>

<sup>1</sup>*Institute for Medical Research, Laboratory for Nutrition and Metabolism*, <sup>2</sup>*University Hospital Zemun, Department of Nephrology*, <sup>3</sup>*Clinical Center "Dr Dragiša Mišović", Department of Gastroenterology, Belgrade, Serbia*

10.15-10.30

**RADIOACTIVE CONTAMINATION OF THE ENVIRONMENT AS A RISK FACTOR FOR CARDIOVASCULAR DISEASES**

Djurović B<sup>1</sup>, Selaković V<sup>2</sup>, Radjen S<sup>3</sup>, Djurović BM<sup>4</sup>

<sup>1</sup>*Radiation Protection Department, Occupational Medicine Institute, Military Medical Academy*, <sup>2</sup>*Medical Research Institute, Military Medical Academy*, <sup>3</sup>*Hygiene Institute, Military Medical Academy*, <sup>4</sup>*Milos Clinic, Belgrade, Serbia*

10.30-11.00 Coffee break

**SESSION 6: FOOD PRODUCTS AND TECHNOLOGIES FOR CARDIOVASCULAR HEALTH**

CME SESSION (SERBIAN LANGUAGE/SRPSKI JEZIK)

**Chairmen: Škorić D (Novi Sad), Lepšanović Lj (Novi Sad), Torović Lj (Novi Sad)**

11.00-11.15

**FUNCTIONAL FOODS AND DIETARY SUPPLEMENTS: A DIETARY STRATEGY FOR CARDIOVASCULAR RISK MANAGEMENT**

Torović Lj

*Institut of Public Health, Novi Sad, Serbia*

11.15-11.30

**GENETIC POSSIBILITIES FOR ALTERING SUNFLOWER OIL QUALITY TO OBTAIN NOVEL OILS**

Škorić D<sup>1</sup>, Jocić S<sup>2</sup>, Sakač Z<sup>2</sup>, Lečić N<sup>2</sup>

<sup>1</sup>*Novi Sad Branch of the Serbian Academy of Sciences and Arts*, <sup>2</sup>*Institute of Field and Vegetable Crops in Novi Sad, Serbia*

11.30-11.45

**ALIMENTARY TRANS FATTY ACIDS AND ATHEROSCLEROSIS PROCESS**

Lepšanović Lj<sup>1</sup>, Mandić A<sup>2</sup>, Lepšanović L<sup>1</sup>

<sup>1</sup>*Faculty of Medicine*, <sup>2</sup>*Faculty of Technology, Novi Sad, Serbia*

11.45-12.00

**METAL COMPLEXES OF AMINO ACIDS WHICH FORM TRIDENTATE N-CHELATES: AROMATIC INTERACTIONS IN SYNTHETIC METALLOPEPTIDE FRAMEWORKS AND POSSIBLE APPLICATIONS IN BIOTECHNOLOGY**

Novokmet S<sup>1</sup>, Jakovljević V<sup>1</sup>, Davidović G<sup>2</sup>, Djurić D<sup>3</sup>, Bugarčić Ž<sup>4</sup>, Janković S<sup>1</sup>

<sup>1</sup>*Faculty of Medicine, University of Kragujevac*, <sup>2</sup>*Department of Cardiology, Internal Clinic, CHC „Kragujevac“*, <sup>3</sup>*School of Medicine, University of Belgrade*, <sup>4</sup>*Department of Chemistry, Faculty of Sciences, Kragujevac, Serbia*

12.00-12.15

**INFLUENCE OF HEAT TREATMENT ON OXIDATIVE STABILITY OF PROTEIN SUNFLOWER KERNEL**

Dimić E, Romanić R, Pajin B, Jovanović D

<sup>1</sup>University of Novi Sad, Faculty of Technology, <sup>2</sup>Institute for Field and Vegetable Crops, Novi Sad, Serbia

12.15-12.45 Coffee break

**SESSION 7: PHYSICAL ACTIVITY, EXERCISE AND CARDIOVASCULAR HEALTH  
CME SESSION (SERBIAN LANGUAGE/SRPSKI JEZIK)**

**Chairmen: Suzić S (Belgrade), Ranković G (Niš), Radovanović D (Niš)**

12.45-13.00

**PHYSICAL ACTIVITY, EXERCISE AND CARDIOVASCULAR HEALTH**

Suzić J, Mazić S, Mitrović D, Suzić S

*Institute of Medical Physiology, School of Medicine, University of Belgrade, Serbia*

13.00-13.15

**THE IMPORTANCE OF PHYSICAL ACTIVITY IN REDUCTION OF LIPID'S RISK FACTORS IN SECONDARY PREVENTION OF CORONARY HEART DISEASE IN MEN**

Ranković G<sup>1</sup>, Vidojević M<sup>2</sup>, Ranković B<sup>1</sup>

<sup>1</sup>Institute of Physiology, Medical Faculty, Niš, <sup>2</sup>Institute for Prevention, Therapy and Rehabilitation of Rheumatic and Cardiovascular Disease, Niška Banja, Serbia

13.15-13.30

**THE IMPORTANCE OF PHYSICAL ACTIVITY IN CORRECTION OF HYPERLIPIDEMIA AND REDUCTION OF CARDIOVASCULAR RISK IN PRIMARY PREVENTION**

Ranković B, Ranković G, Ranković J

*Institute of Physiology, Medical Faculty, Niš, Serbia*

13.30-13.45

**PHYSICAL ACTIVITY AND NUTRITION STATUS OF ADOLESCENTS**

Bijelović S<sup>1</sup>, Novaković B<sup>1</sup>, Lozanov-Crvenković Z<sup>2</sup>

<sup>1</sup>Institute of Public Health, Novi Sad, <sup>2</sup>Faculty of Science, Department of Mathematics, University of Novi Sad, Novi Sad, Serbia

13.45-14.00

**THE INFLUENCE OF SPORT TRAINING ON THE DEGREE OF HYDRATION AMONG SCHOOL CHILDREN**

Kašanin J<sup>1</sup>, Jorga V<sup>2</sup>, Radaković S<sup>3</sup>

<sup>1</sup>Institute of Public Health of Serbia, Belgrade, <sup>2</sup>School of Medicine, University of Belgrade, <sup>3</sup>Military Medical Academy, Belgrade, Serbia

14.00-14.15

**COMPARISON OF OXIDATIVE STRESS DYNAMICS IN DIFFERENT SPORTS:  
RELATION TO SUPPLEMENTATION**

Čubrilo D, Milovanović M, Krivokuća R, Jakovljević V

*Department of Physiology, Faculty of Medicine, University of Kragujevac*

14.15-14.30

**PHYSIOLOGICAL PROFILES OF ELITE SERBIAN BASKETBALL PLAYERS**

Mazić S<sup>1</sup>, Suzić J<sup>2</sup>, Dabetić M<sup>2</sup>, Dikić N<sup>2</sup>, Ostojić S<sup>2</sup>, Mitrović D<sup>1</sup>, Suzić S<sup>1</sup>

<sup>1</sup>*Institute of Medical Physiology, School of Medicine, University of Belgrade,* <sup>2</sup>*Sport Medicine Association of Serbia, Belgrade, Serbia*

14.30-14.45

**MAIN REASONS FOR BETTER CARDIAC PERFORMANCE IN TOP LEVEL MALE  
BASKETBALL PLAYERS AND ITS ANTHROPOMETRICAL PREDICTORS**

Popović D<sup>1</sup>, Mazić S<sup>1</sup>, Dikić-Djordjević A<sup>2</sup>, Dekleva M<sup>2</sup>, Šćepanović Lj<sup>1</sup>, Mitrović D<sup>1</sup>,  
Ostojić M<sup>2</sup>

<sup>1</sup>*Institute of Medical Physiology, School of Medicine, University of Belgrade, Belgrade,* <sup>2</sup>*Institute for Cardiovascular Diseases, Clinical Center of Serbia, School of Medicine, University of Belgrade, Belgrade, Serbia*

14.45-15.00

**EFFECTS OF CREATINE MONOHYDRATE SUPPLEMENTATION ON ANAEROBIC  
POWER PERFORMANCE**

Radovanović D

*Faculty of Sport and Physical Education, University of Niš, Serbia*

15.00-15.15

**INFLUENCE OF PHYSICAL EXERCISE ON LIPID PEROXIDATION PROCESS AND  
ACTIVITY OF MYELOPEROXIDASE**

Popović Lj<sup>1</sup>, Mitić N<sup>1</sup>, Mirić D<sup>2</sup>, Mirić M<sup>1</sup>, Djokić T<sup>1</sup>

<sup>1</sup>*Institute for Pathophysiology, Medical Faculty, Kosovska Mitrovica,* <sup>2</sup>*Institute for Biochemistry, Medical Faculty, Kosovska Mitrovica, Serbia*

<b>CONCLUDING REMARKS/TAKE HOME MESSAGE/EACCME CERTIFICATES</b>
---

20.00 Gala dinner (upon invitation only or regularly registered participant must have extra ticket purchased)

9.00-17.00

(The presence of poster authors is strictly requested from 13.30 to 15.00)

**Chairmen: Radenković M (Niš), Radosavljević T (Belgrade), Jurišić V (Kragujevac)**

**P 1 THE ENDOTHELIN-1 DETERMINES OUTCOMES OF PREGNANCY AT WOMEN WITH THE HYPERTENSION**

Mrochek AG, Prystrom AM

*The Belarussian Medical Academy Postgraduate Educations, Minsk, Belarus*

**P 2  $\alpha_2$ -MACROGLOBULIN EXPRESSION DURING THE ACUTE-PHASE RESPONSE IN MALNOURISHED RATS**

Uskoković A, Mihailović M, Dinić S, Grdović N, Vidaković M, Arambašić J, Bogojević D, Ivanović-Matić S, Martinović V, Petrović M, Poznanović G, Grigorov I

*Institute for Biological Research, Department of Molecular Biology, Belgrade, Serbia*

**P 3 SUPPLEMENTATION THERAPIES RELATED TO OXIDATIVE STRESS IN HEMODIALYSIS PATIENTS**

Dejanova B<sup>1</sup>, Dejanov P<sup>2</sup>, Petrovska S<sup>1</sup>, Maleska V<sup>1</sup>, Todorovska L<sup>1</sup>

*<sup>1</sup>Institute of Physiology, <sup>2</sup>Clinic of Nephrology, Medical Faculty, Skopje, FRY Macedonia*

**P 4 LIPID DISORDER AND INFLAMMATION IN PATIENTS WITH DIABETES MELLITUS TYPE 2 TREATED WITH STATINS**

Savić T<sup>1</sup>, Djindjić B<sup>1</sup>, Bojanić V<sup>1</sup>, Janković R<sup>2</sup>

*<sup>1</sup>Institute of Pathophysiology, Faculty of Medicine, University of Niš, <sup>2</sup>Clinic for Cardiovascular Disease, KC Niš, Serbia*

**P 5 ANTIOXIDANT EFFECT OF COENZYME Q<sub>10</sub> AND VITAMIN E IN CADMIUM INDUCED ALTERATIONS OF ANTIOXIDANT DEFENSE SYSTEM IN THE RAT HEART**

Ognjanović BI<sup>1</sup>, Marković SD<sup>1</sup>, Pavlović SZ<sup>2</sup>, Žikić RV<sup>1</sup>, Štajn AŠ<sup>1</sup>, Saičić ZS<sup>2</sup>

*<sup>1</sup>Institute of Biology and Ecology, Faculty of Science, University of Kragujevac, Kragujevac,*

*<sup>2</sup>Institute for Biological Research "Siniša Stanković", Department of Physiology, Belgrade, Serbia*

**P 6 PHYSICAL ACTIVITY AND MENTAL CAUSED DISORDERS OF NUTRITION IN ADOLESCENTS**

Balać D, Novaković B, Dragnić N

*Institute of Public Health of Vojvodina, Novi Sad, Serbia*

**P 7 PROPER LIFESTYLE WITH STUDENT'S POPULATION: THE BASIS OF THE ATHEROSCLEROSIS PREVENTION**

Pap D<sup>1</sup>, Canić V<sup>2</sup>, Grubor-Lajsić G<sup>3</sup>

*<sup>1</sup>Students Health Protection Institute Novi Sad, <sup>2</sup>Serbian Chamber of Biochemists, Belgrade,*

*<sup>3</sup>Faculty of Sciences, Department of Biology and Ecology, Novi Sad, Serbia*

**P 8 RISK OF DYING OF CARDIOVASCULAR DISEASES IN SERBIA**

Miljuš D, Mickovski N, Živković S, Malogajski J, Savković S

*Center for Prevention and Control of Non-communicable Diseases, Institute of Public Health of Serbia, Belgrad, Serbia*

**P 9 CORRELATION BETWEEN HYPERTENSION AND OBESITY IN SCHOOL-AGE GIRLS**

Miljuš D<sup>1</sup>, Vlajinac H<sup>2</sup>, Jorga J<sup>3</sup>, Marinković J<sup>4</sup>

<sup>1</sup>*Center for Prevention and Control of Non-communicable Diseases, Institute of Public Health of Serbia, Belgrade,* <sup>2</sup>*Institute of Epidemiology, School of Medicine, University of Belgrade,*

<sup>3</sup>*Institute of Hygiene, School of Medicine, University of Belgrade,* <sup>4</sup>*Institute of Social Medicine and Statistics, School of Medicine, University of Belgrade, Serbia*

**P 10 EFFECTS OF CREATINE MONOHYDRATE SUPPLEMENTATION AND RESISTANCE TRAINING ON BODY COMPOSITION AND MUSCLE POWER IN JUDO PLAYERS**

Radovanović D<sup>1</sup>, Bratić M<sup>1</sup>, Milovanović D<sup>2</sup>

<sup>1</sup>*Faculty of Sport and Physical Education, University of Niš,* <sup>2</sup>*School of Pharmacy, University of Belgrade, Serbia*

**P 11 THE IMPORTANCE OF ATEROSCLEROTIC CHANGES ON CAROTID ARTERIES FOR DETECTING ISCHAEMIA HEART DISEASE**

Branković D, Grujić-Ilić G, Ćirić-Zdravković S, Levstik Z, Djokić A

*Health Centre-Niš, The Clinic of Cardiovascular Diseases-Niš, Serbia*

**P 12 NUTRITION AND INCREASED BMI AS A RISK FACTOR IN PRIMARY SCHOOL POPULATION**

Jusupović F<sup>1</sup>, Hadžihalilović J<sup>2</sup>, Rudić A<sup>3</sup>, Kudumović M<sup>4</sup>, Mahmutović J<sup>5</sup>

<sup>1,3,4,5</sup>*Faculty of Health Studies, University in Sarajevo,* <sup>2</sup>*Faculty of Science and Mathematics-Department of Biology, University in Tuzla, Bosnia and Herzegovina*

**P 13 ANTIOXIDATIVE EFFECTS OF ESTRADIOL IN PREECLAMPSIA**

Babić G<sup>1</sup>, Djordjević N<sup>2</sup>, Varjačić M<sup>1</sup>, Lukić G<sup>1</sup>, Ognjanović B<sup>2</sup>, Marković S<sup>2</sup>

<sup>1</sup>*Clinics of Obstetrics and Gynecology, Clinical Centre, Kragujevac,* <sup>2</sup>*Institute of Biology and Ecology, Faculty of Science, Kragujevac, Serbia*

**P 14 THE OUTCOME OF BETA-BLOCKER THERAPY IN PATIENTS WITH HEART FAILURE: SUPEROXIDE ANION RADICAL AND THIOBARBITURIC ACID-REACTIVE SUBSTANCE PLASMA LEVELS. A POSSIBLE PROANTIOXIDANT MECHANISM?**

Davidović GT<sup>1</sup>, Irić-Ćupić V<sup>1</sup>, Novokmet SS<sup>2</sup>, Jakovljević VLj<sup>2</sup>

<sup>1</sup>*Department of Cardiology, Internal Clinic, Clinical Center "Kragujevac", Faculty of Medicine, University of Kragujevac,* <sup>2</sup>*Faculty of Medicine, University of Kragujevac, Serbia*

**P 15 INDEX OF ATHEROSCLEROSIS IN OBESE CHILDREN -POSSIBILITY OF PREVENTION**

Grujić-Ilić G<sup>1</sup>, Pejčić Lj<sup>2</sup>, Branković D<sup>1</sup>, Arandjelović D<sup>3</sup>

<sup>1</sup>*Health Centre Niš,* <sup>2</sup>*Pediatric Clinic Niš,* <sup>3</sup>*Health Centre "Dr Simo Milosević" Belgrade, Serbia*

**P 16 MALNUTRITION, CHRONIC INFLAMMATION AND SERUM NON-ESTERIFIED LONG-CHAIN PUFA: THERAPEUTICAL INTERVENTION IN DIALYSIS PATIENTS**

Peruničić-Peković G<sup>1</sup>, Rašić Z<sup>1</sup>, Šobajić S<sup>2</sup>, Djuričić I<sup>2</sup>, Plješa S<sup>1</sup>, Maletić R<sup>3</sup>, Ristić -Medić D<sup>4</sup>  
*<sup>1</sup>Department of Nephrology, University Hospital Zemun-Belgrade, <sup>2</sup>Faculty of Pharmacy, Institute of Bromatology, Belgrade, <sup>3</sup>Faculty of Agriculture, Division of Statistics, Belgrade, <sup>4</sup>Institute for Medical Research, Laboratory for Nutrition and Metabolism, Belgrade, Serbia*

**P 17 THE HEART RATE AND BLOOD PRESSURE VARIABILITIES IN CHILDREN AND ADOLESCENTS WITH OBESITY**

Tonhajzerova I<sup>1</sup>, Javorka M<sup>1</sup>, Trunkvalterova Z<sup>1</sup>, Chroma O<sup>2</sup>, Javorkova J<sup>2</sup>, Lazarova Z<sup>1</sup>, Javorka K<sup>1</sup>  
*<sup>1</sup>Department of Physiology, <sup>2</sup>Clinic of Children and Adolescents, Jessenius Faculty of Medicine, Comenius University and University Hospital, Martin, Slovak Republic*

**P 18 INHIBITION OF CARDIOTOXIC METALLOPROTEASES IN SNAKE VENOM BY STREPTOMYCES HYGROSCOPICUS**

Gopčević K<sup>1</sup>, Borožan S<sup>2</sup>, Pavlović M<sup>3</sup>, Miličević Z<sup>4</sup>  
*University School of Medicine, Departments of <sup>1</sup>Chemistry, <sup>3</sup>Physiology and <sup>4</sup>Histology, <sup>2</sup>School of Veterinary Medicine, Belgrade, Serbia*

**P 19 ANTHROPOMETRY, BIOCHEMISTRY AND SEVERITY OF MALNUTRITION IN CHILDREN**

Todorovska L, Dejanova B, Petrovska S  
*Department of Physiology and Anthropology, Medical Faculty, Skopje, FRY Macedonia*

**P 20 THE EFFECT OF PHYSICAL EXERCISE ON ACTIVITY PITUITARY-ADRENOCORTICAL AND SYMPATHO-ADRENOMEDULLARY SYSTEM**

Gavrilović LJ, Spasojević N, Dronjak S  
*Institute of Nuclear Sciences "Vinča", Laboratory of Molecular Biology and Endocrinology, Belgrade, Serbia*

**P 21 CORRELATION BETWEEN PINEAL GLAND ACTIVITY DETERMINED BY cAMP LEVELS AND ITS HISTOLOGICAL FINDING**

Antevska V, Efremovska Lj, Božinovska L, Malevska V, Nikodijević O  
*Department of Physiology, Faculty of Medicine, Skopje, FRY Macedonia*

**P 22 HYPOTRIGLYCERIDEMIC EFFECT OF SUPPLEMENTATION WITH SEED MIXTURE RICH IN  $\alpha$ -LINOLENIC ACID IN PATIENTS ON HEMODIALYSIS**

Poštić M<sup>1</sup>, Blaženčić-Mladenović V<sup>1</sup>, Popović T<sup>1</sup>, Ristić-Medić D<sup>1</sup>, Peruničić G<sup>2</sup>, Plješa S<sup>2</sup>, Glibetić M<sup>1</sup>  
*<sup>1</sup>Institute for Medical Research, Laboratory for Nutrition and Metabolism, Belgrade, <sup>2</sup>Department of Nephrology, University Hospital Zemun, Belgrade, Serbia*

**P 23 SALT CONTENT OF FOOD STUFFS MARKETED IN NOVI SAD**

Trajković-Pavlović LJ, Popović M, Novaković B  
*Department of Hygiene, Public Health Institute, Novi Sad, Serbia*



**P 24 INHIBITORY EFFECTS OF THE EXTRACTS OF GARLIC (*ALLIUM SATIVUM*) ON HEART RATE AND CONTRACTILITY OF THE ISOLATED RAT ATRIA**

Radenković M<sup>1</sup>, Kitić D<sup>2</sup>, Branković S<sup>1</sup>, Veljković S<sup>1</sup>

<sup>1</sup>*Institute of Physiology, Faculty of Medicine, University of Niš*, <sup>2</sup>*Department of Pharmacy, Faculty of Medicine, University of Niš, Serbia*

**P 25 ACUTE AND CHRONIC EXPOSURE OF AORTIC SMOOTH MUSCLE CELLS TO OXIDIZED LOW DENSITY LIPOPROTEIN ALTERS NUCLEAR PROTEIN IMPORT**

Chahine MN, Richard MN, Blackwood D, Pierce GN

*Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre, Department of Physiology, University of Manitoba, Winnipeg, Canada*

**P 26 ARRHYTHMIAS OBSERVED DURING +Gz TRAINING: SAFETY CRITERION AND CARDIOVASCULAR RISKS**

Pavlović M

*Institute of Aviation Medicine, Military Medical Academy, Department of Aviation Physiology Batajnica, Belgrade, Serbia*

**P 27 DEMOGRAPHIC CHARACTERISTICS OF PATIENTS WITH ACUTE CORONARY SYNDROME AND RISK FACTORS: REPORT FROM SERBIAN REGISTRY OF ACUTE CORONARY SYNDROME (REACS)**

Mickovski-Katalina N<sup>1</sup>, Vasiljević Z<sup>2</sup>, Miljuš D<sup>1</sup>, Savković S<sup>1</sup>, Živković S<sup>1</sup>, Plavšić S<sup>1</sup>, Janković J<sup>1</sup>, Malogajski J<sup>1</sup>

<sup>1</sup>*Institute of Public Health of Serbia „Dr Milan Jovanović Batut”, Belgrade*, <sup>2</sup>*Institute of Cardiovascular Diseases, Clinical Centre of Serbia, Belgrade, Serbia*

**P 28 COMPARATIVE STUDY OF OXIDATIVE/ANTIOXIDATIVE STATUS IN PROLONGATED PREGNANCIES AND PREECLAMPSIA**

Djordjević NZ<sup>1</sup>, Babić GM<sup>2</sup>, Marković SD<sup>1</sup>, Ognjanović BI<sup>1</sup>, Štajn AŠ<sup>1</sup>, Žikić RV<sup>1</sup>, Saičić ZS<sup>3</sup>

<sup>1</sup>*Institute of Biology and Ecology, Faculty of Science, Kragujevac*, <sup>2</sup>*Clinics of Obstetrics and Gynecology, Clinical Centre, Kragujevac*, <sup>3</sup>*Department of Physiology, Institute for Biological Research “Siniša Stanković”, Belgrade, Serbia*

**P 29 ANALYSES OF HOMOCYSTEINEMIA IN PATIENTS WITH THYROID DYSFUNCTION**

Antonijević MN<sup>1</sup>, Beletic DA<sup>2</sup>, Mirković SD<sup>2</sup>, Jovanović PD<sup>3</sup>, Peruničić J<sup>1</sup>, Jakovljević B<sup>4</sup>, Kovač BN<sup>1</sup>, Živković M<sup>1</sup>, Antonijević SI<sup>1</sup>, Petakov M<sup>5</sup>, Popović S<sup>5</sup>, Srećković V<sup>5</sup>, Djordjević V<sup>6</sup>, Savić S<sup>5</sup>, Milić G<sup>5</sup>, Petrović M<sup>5</sup>, Nišić T<sup>5</sup>, Vasiljević Z<sup>1</sup>, Trbojević B<sup>5</sup>

<sup>1</sup>*Institute of Cardiovascular Diseases, Clinical Centre of Serbia, Belgrade*, <sup>2</sup>*Institute of Medical Biochemistry, Clinical Centre of Serbia, Belgrade*, <sup>3</sup>*Urgent Centre, Clinical Centre of Serbia, Belgrade*, <sup>4</sup>*Institute of Hygiene and Medical Ecology, Faculty of Medicine, Belgrade*, <sup>5</sup>*Institute of Endocrinology, Clinical Centre of Serbia, Belgrade*, <sup>6</sup>*Institute of Molecular Genetics and Genetics Engineering, Belgrade*

**P 30 EFFECT OF ETHANOL ON ELECTROENCEPHALOGRAPHIC AND BEHAVIORAL SIGNS OF METAPHIT INDUCED AUDIOGENIC SEIZURE**

Petrović B<sup>1</sup>, Hrnčić D<sup>1</sup>, Mladenović M<sup>2</sup>, Vučević D<sup>2</sup>, Rašić A<sup>1</sup>, Radosavljević T<sup>2</sup>, Šušić V<sup>3</sup>, Stanojlović O<sup>2</sup>

<sup>1</sup>*Institute of Medical Physiology*, <sup>2</sup>*Institute of Pathophysiology, School of Medicine, University of Belgrade*, <sup>3</sup>*Serbian Academy of Sciences and Arts, Belgrade, Serbia*

**P 31 EFFECT OF ACUTE LINDANE AND ALCOHOL INTOXICATION ON SERUM ENZYME ACTIVITY IN RATS**

Radosavljević T<sup>1</sup>, Mladenović D<sup>1</sup>, Vučević D<sup>1</sup>, Petrović J<sup>2</sup>, Hrnčić D<sup>2</sup>, Lončar-Stevanović H<sup>2</sup>, Stanojlović O<sup>2</sup>

<sup>1</sup>*Institute of Medical Physiology, <sup>2</sup>Institute of Pathophysiology, School of Medicine, University of Belgrade*

**P 32 EFFECTS OF STRESS ON CATECHOLAMINE STORES IN HEART AURICLES AND ADRENAL GLANDS OF SPONTANEOUSLY HYPERTENSIVE RATS**

Dronjak S, Gavrilović LJ, Spasojević N

*Institute of Nuclear Sciences "Vinča", Laboratory of Molecular Biology and Endocrinology, Belgrade, Serbia*

**P 33 FATTY ACID COMPOSITIONS OF CONFECTIONERY FATS AND FILLINGS INCLUDING TRANS ISOMERS**

Kravić S<sup>1</sup>, Marjanović N<sup>1</sup>, Suturović Z<sup>1</sup>, Švarc-Gajić J<sup>1</sup>, Pucarević M<sup>2</sup>

<sup>1</sup>*Department for Applied and Engineering Chemistry, Faculty of Technology, University of Novi Sad, <sup>2</sup>Institute of Field and Vegetable Crops, Novi Sad, Serbia*

**P 34 SOME ARTERIOSCLEROTIC RISK FACTORS IN WOMEN DURING MENOPAUSE**

Petrovska S, Dejanova B, Kandikjan P

*Department of Physiology and Anthropology, Medical Faculty, Skopje, FRY Macedonia*

**P 35 EFFECTS OF THE ETHANOL EXTRACT OF LESSER CALAMINTH (CALAMINTHA GLANDULOSA ŠILIC) AND ATROPINE ON THE BLOOD PRESSURE AND HEART RATE OF THE RATS**

Branković S<sup>1</sup>, Kitić D<sup>2</sup>, Radenković M<sup>1</sup>, Jovičić D<sup>2</sup>, Veljković S<sup>1</sup>, Nešić M<sup>1</sup>

<sup>1</sup>*Institute of Physiology, Faculty of Medicine, University of Niš, <sup>2</sup>Department of Pharmacy, Faculty of Medicine, University of Niš, Serbia*

**P 36 HEALTH INFORMATION THAT OFFER NON-INVASIVE DIAGNOSTIC TO SPECIFIC PERSONS**

Lalić DT<sup>1</sup>, Djujić SI<sup>2</sup>

<sup>1</sup>*Center for Balanced and High Quality Live „Balans Medika”, Belgrade, <sup>2</sup>Department of Chemistry, IHTM, University of Belgrade, Belgrade Serbia*

**P 37 STATIN-INDUCED LDL-REDUCTION IN CORONARY HEART DISEASE**

Irić-Ćupić V, Djurdjević P

*Department of Cardiology, Internal Clinic, Clinical Center "Kragujevac", Faculty of Medicine, University of Kragujevac*

**P 38 BEHAVIOURAL AND EEG CHANGES IN LINDANE-INDUCED EXPERIMENTAL EPILEPSY**

Vučević D<sup>1</sup>, Mladenović D<sup>1</sup>, Radosavljević T<sup>1</sup>, Hrnčić D<sup>2</sup>, Lončar-Stevanović H<sup>2</sup>, Šušić V<sup>3</sup>, Stanojlović O<sup>2</sup>

<sup>1</sup>*Institute of Medical Physiology, <sup>2</sup>Institute of Pathophysiology, School of Medicine, University of Belgrade*

**P 39 BLOOD-FLOW, OXYGEN TENSION AND GLUTAMIN SYNTHETASE ACTIVITY IN REGENERATING LIVER UNDER THE HYPERBARIC OXYGENATION**

Savilov P, Shepeleva J, Jakovlev V  
*Medical Academy, Voronezh, Russia*

**P 40 INDEX OF ATHEROSCLEROSIS AS A PARAMETER OF LIPID STATUS OF STUDENTS FROM THE UNIVERSITY OF NOVI SAD**

Popović Z<sup>1</sup>, Grubor-Lajšić G<sup>1</sup>, Čampar B<sup>2</sup>, Pap D<sup>3</sup>, Štajner M<sup>4</sup>  
<sup>1</sup>*Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad,* <sup>2</sup>*Department of Chemistry, Faculty of Sciences, University of Novi Sad,* <sup>3</sup>*Students' Health Protection Institute, Novi Sad,* <sup>4</sup>*Highly Specialized Microbiological and Biochemical Laboratory "Biotest", Novi Sad, Serbia*

**P 41 EPIDEMIOLOGICAL INVESTIGATION OF UNHEALTHY NUTRITION AS RISK FACTOR FOR ACUTE MYOCARDIAL INFARCTION IN THE CITY OF NIŠ, SERBIA**

Deljanin Z<sup>1</sup>, Nešić M<sup>2</sup>, Nešić V<sup>3</sup>, Todorović B<sup>1,4</sup>, Petrović B<sup>1,4</sup>  
<sup>1</sup>*Center for Disease Control and Prevention, Public Health Institute of Niš,* <sup>2</sup>*Department of Physiology, Faculty of Medicine, University of Niš,* <sup>3</sup>*Faculty of Philosophy, University of Niš,* <sup>4</sup>*Department of Epidemiology, Faculty of Medicine, University of Niš, Serbia*

**P 42 METABOLIC SYNDROME IN HD PATIENTS: ASSOCIATION WITH BODY COMPOSITION, NUTRITIONAL STATUS, INFLAMMATION AND ANEMIA**

Rašić-Milutinović Z<sup>1</sup>, Peruničić G<sup>2</sup>, Plješa S<sup>2</sup>, Popović V<sup>1</sup>, Milićević D<sup>1</sup>, Ilić M<sup>3</sup>, Stokić E<sup>4</sup>  
<sup>1</sup>*Department of Endocrinology, University Hospital Zemun/Belgrade,* <sup>2</sup>*Department of Nephrology and Dialysis, University Hospital Zemun/Belgrade,* <sup>3</sup>*Institute for Medical Biochemistry Clinical Center of Serbia, Belgrade,* <sup>4</sup>*Clinic of Endocrinology, Diabetes and Metabolism, University Clinical Center of Novi Sad, Serbia*

**P 43 RISK FACTORS FOR STROKE**

Tomašević-Todorović S<sup>1</sup>, Filipović D<sup>2</sup>, Naumović N<sup>2</sup>  
<sup>1</sup>*Clinical Centre – Novi Sad, Clinic for Medical Rehabilitation,* <sup>2</sup>*Medical Faculty – Novi Sad, Department for Neurophysiology, Novi Sad, Serbia*

**P 44 INTESTINAL ALKALINE PHOSPHATASE ACTIVITY AS A MOLECULAR MARKER OF 5-FLUOROURACIL ENTEROTOXICITY**

Bajin-Katić K<sup>1</sup>, Stankov K<sup>1</sup>, Djolai M<sup>2</sup>, Kovačević Z<sup>3</sup>  
<sup>1</sup>*Department of Biochemistry,* <sup>2</sup>*Department of Histology, Medical Faculty, University of Novi Sad,* <sup>3</sup>*Serbian Academy of Sciences and Arts- branch in Novi Sad, Serbia*

**P 45 STUDY OF REVERSIBILITY OF THE METABOLIC SYNDROME AND INSULIN RESISTANCE: THE MET-ANTIOX STUDY**

Dragan S<sup>1</sup>, Socaciu C<sup>2</sup>, Gergen I<sup>3</sup>, Ionescu D<sup>1</sup>, Mancas S<sup>1</sup>, S Ursoniu S<sup>1</sup>, Velimirovici D<sup>1</sup>, Otiman G<sup>1</sup>, Rada M<sup>1</sup>  
<sup>1</sup>*University of Medicine and Pharmacy Victor Babes Timisoara,* <sup>2</sup>*University of Agriculture Cluj-Napoca,* <sup>3</sup>*University of Agriculture Timisoara, Romania*

**P 46 SMOKING AS A RISK FACTOR FOR CHRONIC OBSTRUCTIVE PULMONARY DISEASE**

Zakovska M<sup>1</sup>, Korneti-Pekevaska K<sup>2</sup>, Jurkovic D<sup>2</sup>  
<sup>1</sup>*Institute of Pulmonary Diseases and Tuberculosis, Skopje,* <sup>2</sup>*Institute of Anatomy, Faculty of Medicine, University "St. Cyril and Methodius", Skopje, FRY Macedonia*

**P 47 PHYSICAL ACTIVITY AS A THERAPEUTIC METHOD FOR PREVENTION OF COMORBIDITY OBESITY/HYPERTENSION**

Nedeljković TI<sup>1</sup>, Jakovljević VLj<sup>2</sup>, Nedeljković IP<sup>3</sup>, Lješević SM<sup>1</sup>

<sup>1</sup>Clinical Biochemical Laboratory, Clinical Centre "Kragujevac", Kragujevac, <sup>2</sup>Department of Physiology, Faculty of Medicine, University of Kragujevac, <sup>3</sup>Health Centre "Novi Sad", Novi Sad, Serbia

**P 48 THE ROLE OF OXIDATIVE STRESS IN DIABETES MELLITUS AND CORONARY HEART DISEASE**

Nedeljković TI<sup>1</sup>, Jakovljević VLj<sup>2</sup>, Popović-Katić M<sup>3</sup>, Brakočević D<sup>3</sup>, Nedeljković IP<sup>4</sup>

<sup>1</sup>Clinical Biochemical Laboratory, Clinical Centre "Kragujevac", Kragujevac, <sup>2</sup>Department of Physiology, Faculty of Medicine, University of Kragujevac, <sup>3</sup>Clinical Biochemical Laboratory, Clinical Hospital Centre "Dragiša Mišović", Belgrade, <sup>4</sup>Health Centre "Novi Sad", Novi Sad, Serbia

**P 49 THE EFFECT OF CHRONIC ETHANOL CONSUMPTION OF THE LIPID PROFILE OF RABBITS**

Rašić-Marković A<sup>1</sup>, Petrović J<sup>1</sup>, Lončar-Stevanović H<sup>1</sup>, Hrnčić D<sup>1</sup>, Prostran M<sup>2</sup>

<sup>1</sup>Institute of Medical Physiology, <sup>2</sup>Institute of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Serbia

**P 50 THE ANALYSES OF THE LIVER CIRCULATION IN DETECTION OF OCCULT METASTASES**

Stojačić-Djenić S, Jurišić V, Perišić M

Clinical Center of Serbia, University of Belgrade, University of Kragujevac, School of Medicine, Kragujevac, Serbia

**P 51 THE EFFECTS OF VITAMIN C AND L-NAME ON CORONARY FLOW AND NITRITE OUTFLOW IN ISOLATED RAT HEART**

Jakovljević VLj<sup>1</sup>, Djurić A<sup>2</sup>, Dačić L<sup>1</sup>, Azanjac A<sup>1</sup>, Djurić DM<sup>3</sup>

<sup>1</sup>Department of Physiology, Faculty of Medicine, University of Kragujevac, <sup>2</sup>Health Centre "Vračar", Belgrade, <sup>3</sup>Institute of Medical Physiology, University School of Medicine, Belgrade, Serbia

## **CONFERENCE VENUE:**

Hotel „Park“, Novi Sad – Amphiteatre  
(Participation upon registration only)

## **CONFERENCE DATE:**

May 24-27, 2007

## **REGISTRATION**

The conference desk will be open on:

May 24th	12.00 – 19.00
May 25th	7.30 – 19.00
May 26th	7.30 – 19.00

## **REGISTRATION FEE**

	<b>Before May 1<sup>st</sup></b>	<b>After May 1<sup>st</sup></b>	<b>On site</b>
MEMBERS OF SERBIAN PHYSIOLOGICAL SOCIETY	<b>50 €</b>	<b>80 €</b>	<b>100 €</b>
OTHER PARTICIPANTS	<b>80 €</b>	<b>100 €</b>	<b>120 €</b>
STUDENTS*	<b>FREE</b>		
<b>*Certificate required</b>			

## **NOTICE:**

For attendees from abroad – payment in Euro to account of Serbian Physiological Society:

### **Intermediary Bank/Correspondent Bank**

SWIFT - BIC	DRESDEFF
Name:	DRESDENER BANK AG
City, Country:	FRANKFURT AM MAIN, GERMANY

### **Account with Institution/Beneficiary's Bank**

SWIFT - BIC	KOBBRSBGXXX
Name:	KOMERCIJALNA BANKA A. D. BEOGRAD
Street:	SVETOG SAVE 14
City, Country:	BEOGRAD, REPUBLIC OF SERBIA

### **Beneficiary**

IBAN/Account Number:	RS35205000707183300036
Name:	DRUŠTVO FIZIOLOGA REPUBLIKE SRBIJE
Street:	DR SUBOTIĆA BR 8
City, Country:	11000 BEOGRAD, REPUBLIC OF SERBIA

For attendees from Serbia, payment should be (in CSD) provided on a bank account of "Društvo fiziologa Republike Srbije" N° 205-40932-94, Komercijalna banka a.d, Belgrade.

Full registration fee includes admission to all scientific sessions, the opening ceremony, the welcome reception, the Abstract book and a Book with printed invited lectures. The Gala dinner is not included in the registration fee and would be provided at an additional cost.

### **ORAL PRESENTATION**

Invited speakers are allocated 30 min for presentation. All other speakers are kindly requested to keep their presentation 12 minutes maximal plus 3 minutes for discussion time.

### **POSTER PRESENTATION**

Interactive poster session will be held on Saturday, May 26th in front of Amphiteatre. Authors are requested to mount their posters from 9.00 to 17.00. Poster size should be 120 (height) cm x 80 (width) cm. Poster figures should be designed to be viewed from a distance and the authors should use clear, visible graphics and large text fonts. Material for mounting posters will be provided in the poster area. Authors are requested to be present by their posters during the poster session from 14.30 to 16.00.

### **AUDIOVISUAL FACILITIES**

For the oral presentations, video projections will be available in conference room. Presentations should be prepared in „Power Point“ (\*.ppt file).

### **OFFICIAL LANGUAGE**

Official language will be English and Serbian. No simultaneous translation will be provided. All abstract will be published in English.

### **COFEE, REFRESHMENT AND LUNCH**

Only Welcome Reception on Thursday evening will be included in registration fee. Cofee, refreshment and lunch will be served upon request on commercial basis only and it will be on the responsibility of the participants.

### **APPLICATION/ACCOMODATION/CONTACT**

The application form should be legibly completed and sent no later than May 1st to the e-mail address of the Program/Organizing Committee ([drvladakg@yahoo.com](mailto:drvladakg@yahoo.com)). Hotel accommodation and arrival/departure service will be reserved in different price categories in Novi Sad at special rates. For making hotel reservation at special rates, please contact [tanja\\_alex@yahoo.com](mailto:tanja_alex@yahoo.com). Confirmation will be sent upon receipt of payment. In order to receive an e-mail confirmation, please indicate your e-mail address.

## **SOCIAL PROGRAM**

The social program will include convivial (welcome reception/cocktail) and cultural (city tours, monasteries tour, visit to museums, etc) events. Only first will be covered by the registration fee. Exciting social events will be offered (Danube tour, visit of Monasteries/Churches/Museums, etc.). Joint dinner with multinational music will be organized on commercial basis on Saturday, May 26th at 8.00 PM. For more details, please contact [tanja\\_alex@yahoo.com](mailto:tanja_alex@yahoo.com)

## **CANCELLATION AND REFUNDS**

Notification of cancellation should be sent in writing to the Program/Organizing Committee. If cancellation is received before May 5th 2006, 70 % of the total amount will be refunded to the participant. We regret that no refunds can be provided for cancellations received on or after that date. Please note that for administrative reasons, refunds will be provided after the Conference.

## **FULL-LENGTH PAPERS**

Certain presenters with proceedings or full-length papers will be invited to publish in one of journals currently cited in *Current Contents* or *Index Medicus*.

## **FOR OTHER INQUIRES PLEASE CONTACT:**

Dr. Vladimir Lj. Jakovljevic, MD, PhD  
Department of Medical Physiology  
Faculty of Medicine, University of Kragujevac  
Svetozara Markovica 69, P.O.B. 124  
34000 Kragujevac, Serbia  
Phone: +381 34 342 944, Fax: + 381 34 306 800/ext 112  
E-mail: [drvladakg@yahoo.com](mailto:drvladakg@yahoo.com)

## **THE CONFERENCE HAS BEEN SPONSORED BY:**

**MINISTRY OF SCIENCE AND ENVIRONMENTAL PROTECTION  
MINISTRY OF HEALTH  
EXPERIMETRIA GMBH  
KRKA  
PHARMA SWISS  
BOEHRINGER INGELHEIM  
ZDRAVLJE ACTAVIS  
PERUTNINA PTUJ AD BEOGRAD**