

**SECOND CONGRESS OF PHYSIOLOGICAL SCIENCES OF SERBIA
WITH INTERNATIONAL PARTICIPATION**

**“CURRENT TRENDS IN PHYSIOLOGICAL SCIENCES“
WITH INTERNATIONALLY RECOGNIZED SATELLITE SYMPOSIUM ON
STEM CELL BIOLOGY**

Organized by
SERBIAN PHYSIOLOGICAL SOCIETY
FACULTY OF MEDICINE UNIVERSITY OF KRAGUJEVAC

Under the auspices of

Federation of European Physiological Societies (FEPS)
International Union of Physiological Sciences (IUPS)
International Society for Pathophysiology (ISP)



*DESIGNATED WITH 21 HOURS OF EUROPEAN EXTERNAL CME CREDITS (ECMEC) BY EUROPEAN
ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (EACCME)*

FINAL PROGRAM

<http://www.physiology.org.rs/eng/htm/konf2009/program.pdf>

KRAGUJEVAC, SEPTEMBER 17-20, 2009

WELCOME

Dear Colleagues,

It is our great pleasure to welcoming you to the **2nd Congress of Physiological Sciences of Serbia with International Participation** which will be held during September 17-20, 2009 at the Faculty of Medicine, University of Kragujevac. For the last few years, the Serbian Physiological Society has developed a series of internationally recognized meetings. The first congress of physiological sciences with international participation (Belgrade, 2005), the satellite symposium of the XIV international symposium on atherosclerosis (Belgrade, 2006), the scientific conference with international participation on nutrition, treatment and cardiovascular risk management (Novi Sad, 2007) and the scientific conference with international participation devoted to our famous physiologist Professor Richard Burian (Belgrade, 2008) are excellent examples of recent activities. These meetings attracted a worldwide scientific audience and had been supported by the Federation of European Physiological Societies (FEPS), the International Union of Physiological Sciences (IUPS), the International Society for Pathophysiology (ISP), the International Academy of Cardiovascular Sciences (IACS) and the International Atherosclerosis Society (IAS).

A lot of scientific and friendly contacts developed in recent years devoted us to plan and organize the second national congress in order to improve scientific interactions and make easier joint approach to the European research programs. The strong support given by the experts in field locally as well as that shown by our scientific friends from abroad give every indication that this congress will be also a great success! The scientific program will include a broad mix of topics from molecular, cellular and integrative aspects of physiological sciences going ahead to the scientific problems directed and covered by the international scientific community.

Kragujevac is not only the town where you will probably find typical Serbian spirit of life but also the place where higher education in Serbia started. We appreciate your participation not only from Serbia but also from other countries and wishing you warm welcome to Kragujevac.

On behalf of the Program/Organizing Committee
Dragan Djurić, Vladimir Jakovljević and Nebojša Arsenijević

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Radovanović D, Niš
Radović I, Belgrade
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Raičević S, Podgorica
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Ristić-Medić D, Belgrade
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Rokić M, Belgrade
Rosić G, Kragujevac
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Spasić S, Belgrade
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Stanić M, Novi Pazar
Stankov K, Novi Sad
Stanojević I, Vinča
Stanojlović O, Belgrade
Starčević V, Belgrade
Stevanović D, Belgrade
Stojanov M, Belgrade
Stojanović R, Belgrade
Stojanović T, Kragujevac
Stojiljković M, Belgrade

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Stošić-Grujičić S, Belgrade
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Šekeljić V, Belgrade
Šćepanović Lj, Belgrade
Šošić-Jurjević B, Belgrade
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Šurbatović M, MMA
Šušić V, SASA
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Todorović Z, Belgrade
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Trbojević I, Kragujevac
Turjačanin D, Belgrade
Vasić V, Vinča
Veličković N, Vinča
Vučković S, Belgrade
Zarić M, Kragujevac
Zdunić G, Belgrade
Zlatković J, Vinča
Zlatković M, Belgrade
Živić M, Novi Pazar
Živković M, Belgrade
Živković V, Kragujevac
Žižić J, Kragujevac

** Surnames are given following alphabetical order*

PROGRAM

Venue: Faculty of Medicine University of Kragujevac (Amphitheatre),
str. Svetozara Markovica 69, Kragujevac
(Participation upon registration only)

Thursday, September 17th, 2009

SATELLITE SYMPOSIUM ON STEM CELL BIOLOGY

Organized by the Serbian Physiological Society and Academy of Medical Sciences of the Serbian Medical Society

Chairmen: Stojković M, Milenković P

14.00-14.30

SHORT INTRODUCTION: CURRENT TRENDS IN STEM CELL RESEARCH

Stojković M

Department of Biology and Human Genetics, Faculty of Medicine, University of Kragujevac, Serbia, CIPF, Valencia, Spain

14.30-15.00

PLURIPOTENT STEM CELLS: DISEASE MODELS AND FUTURE THERAPY?

Veiga A

Reproductive Medicine Service, Dexeus University Institute, Stem Cell Bank, Centre of Regenerative Medicine in Barcelona CMR[B], Barcelona, Spain

15.00-15.30

INDUCTION OF PLURIPOTENT STEM CELLS FROM CORD BLOOD AND DIFFERENTIATION INTO FUNCTIONAL CARDIOMYOCYTES

Martin U

Leibniz Research Laboratories for Biotechnology and Artificial Organs, Department of Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany

15.30-16.00

NEUTROPHINS FOR VASCULAR REGENERATION

Emanuelli C

BHF Research Reader in Experimental Cardiovascular Medicine, Faculty of Medicine, University of Bristol, Bristol, UK

16.00-16.30

SUCCESSFUL STEM CELL THERAPY FOR TREATMENT OF EYE DISORDERS

Lako M

Institute of Human Genetics and NESCI, Newcastle University, International Centre for Life, Newcastle upon Tyne, UK

16.30-17.00

COMPLEMENTARY STEM CELLS

Stojković M

Department of Biology and Human Genetics, Faculty of Medicine, University of Kragujevac, Serbia, CIPF, Valencia, Spain

17.00-18.00 Pause

18.00-18.45

OPENING CEREMONY/WELCOME MESSAGES

Chairmen: Djurić D, Arsenijević N, Jakovljević V, Dhalla NS, Petersen O

PRESENTATION OF THE SERBIAN PHYSIOLOGICAL SOCIETY AWARDS FOR 2009

Emil Monos, Budapest, Hungary, *Awarded for Lifetime Achievement*

Helmut Heinle, Tuebingen, Germany, *Awarded for Lifetime Achievement*

Tomislav Djokić, Priština/Kosovska Mitrovica, Serbia, *Awarded for Lifetime Achievement*

Miodrag Stojković, Valencia/Kragujevac, Spain/Serbia, *Awarded for Scientific Contribution*

18.45-19.15

PHYSIOLOGICAL AND TOXIC Ca^{2+} SIGNAL GENERATION: THE ROLE OF IP_3 RECEPTORS

Petersen OH, FRS

MRC Group, Physiological Laboratory, School of Biomedical Sciences, University of Liverpool, UK

19.15-19.45

METHYLATION AND NEURODEGENERATION: THE ROLE OF B-VITAMIN DEFICIENCY IN NEURODEGENERATIVE DISEASES

Herrmann W, Obeid R, Schlundt J, Kasoha M

Department of Clinical Chemistry and Laboratory Medicine, University Hospital of Saarland, Homburg/Saar, Germany

20.00

WELCOME RECEPTION/COCKTAIL (Restaurant, Faculty of Medicine University of Kragujevac)

EXHIBITION OF PAINTINGS (Author Tomislav Djokić, *Professor Emeritus, University of Priština/Kosovska Mitrovica*) "DJOKIĆ IN OTHER WORLDS OF COGNITION"

PROMOTION OF THE SPECIAL ISSUE OF JOURNAL "GENERAL PHYSIOLOGY AND BIOPHYSICS" DEDICATED TO PROFESSOR RICHARD BURIAN (1871-1954)

(Guest Editor Vladimir Strbak, Bratislava, Slovak Republic)

Friday, September 18th, 2009

SESSION 1: CARDIOVASCULAR PATHOPHYSIOLOGY AND TREATMENT

Chairmen: Dhalla NS, Pierce GN, Hanke H

09.00-09.30

ROLE OF OXIDATIVE STRESS AND INTRACELLULAR Ca^{2+} -OVERLOAD IN CARDIAC DYSFUNCTION DUE TO ISCHEMIA-REPERFUSION

Dhalla NS

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

09.30-09.45

LOCAL CHOLINERGIC INEXCITABILITY CAN INDUCE PACEMAKER SHIFT IN THE RABBIT SINOATRIAL NODE

Rosenshtraukh LV, Abramochkin DV

Cardiology Center, Moscow, Russian Federation

09.45-10.00

ACUTE CORONARY SYNDROME: INTERVENTIONAL AND MEDICAL TREATMENT

Hanke H

Filder Heart Centre, Paracelsus Hospital Ruit, Ostfildern, Germany

10.00-10.15

USING NUTRITIONAL INTERVENTIONS TO ALTER CARDIOVASCULAR DISEASE

Pierce GN, Dupasquier CM, Austria JA, Richard M, McCullough R, Rodriguez-Leyva D, Dibrov E
Canadian Centre for Agri-Food Research in Health and Medicine (CCARM), St Boniface Hospital Research Centre, Department of Physiology, University of Manitoba, Winnipeg, Canada

10.15-10.45 Pause

SESSION 2: CARDIOVASCULAR PHYSIOLOGY

Chairmen: Monos E, Japundžić-Žigon N, Rosić M

10.45-11.15

PRESSURE-INDUCED VENOUS MYOGENIC RESPONSE: A POSSIBLE BASIC MECHANISM OF CAPACITY AUTOREGULATION

Monos E

Institute of Clinical Experimental Research and Human Physiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

11.15-11.30

BLOOD VESSELS BIOMECHANICS

Rosić M

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

11.30-11.45

CENTRAL VASOPRESSIN RECEPTORS IN CARDIOVASCULAR HOMEOSTASIS: SPECTRAL ANALYSIS APPROACH

Japundžić-Žigon N

Institute of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Belgrade, Serbia

11.45-12.15 Pause

SESSION 3: VASCULAR BIOLOGY

Chairmen: McNamara DB, Heinle H, Jovović Dj

12.15-12.45

OXIDATIVE STRESS IN THE ARTERIAL VESSEL WALL - ONE WAY TO THE PATHOGENESIS OF ARTERIAL DISEASES?

Heinle H

Institute of Physiology, University of Tuebingen, Germany

12.45-13.00

INSULIN GLARGINE REDUCES CAROTID INTIMAL HYPERPLASIA AFTER BALLOON CATHETER INJURY IN ZUCKER FATTY RATS POSSIBLY BY IGF-1 MEDIATED REDUCTION IN OXIDATIVE STRESS

McNamara DB, Murthy SN, Kadowitz PJ, Fonseca V

Department of Pharmacology, Tulane University School of Medicine, New Orleans, USA

13.00-13.15

DRY THYME EXTRACT IMPROVES BLOOD PRESSURE COMPONENTS IN SPONTANEOUSLY HYPERTENSIVE RATS

Mihailović-Stanojević N¹, Bugarski B², Komes D³, Grujić-Milanović J¹, Ivanov M¹, Jovović Dj¹, Bugarski D¹, Miloradović Z¹

¹*Institute for Medical Research, University of Belgrade, Belgrade,* ²*Department of Chemical Engineering, Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia,* ³*Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia*

13.15-13.30

THE EFFECT OF SINGLE PLATELET PASSAGE THROUGH ISOLATED GUINEA-PIG HEART WITH PREVIOUS CYCLOOXYGENASE INHIBITION ON CORONARY FLOW AND MARKERS OF OXIDATIVE STRESS

Novokmet S¹, Jakovljević V¹, Janković S¹, Miličić B², Davidović G¹, Mujović V³, Djurić D³

¹Faculty of Medicine, University of Kragujevac, Kragujevac, ²Faculty of Stomatology, University of Belgrade, Belgrade, ³Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, Belgrade, Serbia

13.30-14.00 Pause

SESSION 4: NEUROENDOCRINOLOGY

Chairmen: Strbak V, Chaldakov GN, Beltowski J

14.00-14.15

CELL VOLUME MEDIATED ISCHEMIC PRECONDITIONING

Strbak V^{1,3}, Bacova Z^{1,3}, Galcikova J², Matejikova J², Orecna M¹, Hafko R¹, Ravingerova T²

¹Institute of Experimental Endocrinology, Slovak Academy of Sciences, ²Institute for Heart Research, Slovak Academy of Sciences, ³Department of Pathological Physiology, Slovak Medical University, Bratislava, Slovakia

14.15-14.30

ROLE OF HYPERLEPTINEMIA AND HYPERINSULINEMIA IN INDUCING RESISTANCE TO ACUTE NO-MIMETIC AND EDHF-MIMETIC EFFECTS OF LEPTIN

Beltowski J, Wojcicka G, Jamroz-Wisniewska A, Lowicka E

Department of Pathophysiology, Medical University, Lublin, Poland

14.30-14.45

ADIPOSE TISSUE: A NEUROENDOCRINE ORGAN?

Chaldakov GN¹, Rančić G², Fiore M³, Hristova M¹, Bojanić V², Aloe L³

¹Medical University, Varna, Bulgaria, ²Faculty of Medicine, University of Niš, Niš, Serbia, ³Institute of Neurobiology and Molecular Medicine, National Research Council, Rome, Italy

14.45-16.00 Pause/Lunch

15.00-15.30 EXPERIMETRIA LTD COMMERCIAL PRESENTATION (Blue Hall)

INVESTIGATION OF THE EFFECT OF BETA-MIMETICS ON RAT UTERINE CONTRACTILITY IN VITRO AND IN VIVO: BENEFITS OF EXPERIMETRIA RESEARCH SYSTEMS

Gaspar R

Department of Pharmacodynamics and Biopharmacy, University of Szeged, Szeged, Hungary

SESSION 5: NEUROPHYSIOLOGY I

Chairmen: Andjus PR, Nedeljkov V, Bari F

16.00-16.15

PRECONDITIONING THE NEUROVASCULAR UNIT - A NEW APPROACH FOR NEUROPROTECTION

Bari F¹, Domoki F¹, Institoris A^{1,2}, Lenzser G², Busija DW²

¹Department of Physiology, Faculty of Medicine, University of Szeged, Szeged, Hungary, ²Department of Physiology and Pharmacology, Wake Forest University School of Medicine Winston-Salem, North Carolina, USA

16.15-16.30

AMYOTROPHIC LATERAL SCLEROSIS IN EXPERIMENTAL MODELS: RESEARCH JOURNEY FROM SPORADIC TO FAMILIAL AND BACK

Andjus PR

Department for Physiology and Biochemistry, Faculty of Biology, University of Belgrade, Belgrade, Serbia

16.30-16.45

THE EFFECTS OF SODIUM/POTASSIUM ATP-ase BLOCK ON CHARACTERISTICS OF NICKEL INDUCED BURSTING OF LEECH RETZIUS NERVE CELLS

Nedeljkov V¹, Pathak D¹, Lopičić S¹, Stanojević M¹, Andjus P²

¹Institute of Pathological Physiology "Ljubodrag Mihailović", School of Medicine, University of Belgrade, ²Institute of Physiology and Biochemistry, Faculty of Biology, University of Belgrade, Belgrade, Serbia

16.45-17.00

PERITUBULAR MEMBRANE POTENTIAL IN KIDNEY PROXIMAL TUBULAR CELLS OF SHR

Todorović J, Nešović-Ostojić J, Čemerikić D

Institute of Pathophysiology, School of Medicine, University of Belgrade, Belgrade, Serbia

17.00-17.15

MAGNESIUM DEPENDENT CALCIUM EFFECT ON THE BRAIN ADENYLATE CYCLASE ACTIVITY IN THE RAT BRAIN CORTEX SYNAPTIC MEMBRANES

Stojanovic T

Department of Biochemistry, Faculty of Medicine, University of Kragujevac, Kragujevac, Serbia

17.15-17.30

THE INFLUENCE OF DIAZINON ON Na⁺/K⁺-ATPase ACTIVITY

Krstić D¹, Čolović M², Leskovic A², Avramović N¹, Vasić V²

¹Institute of Chemistry, School of Medicine, University of Belgrade, Belgrade, ²Department of Physical Chemistry, Institute of Nuclear Sciences, Vinča/Belgrade, Serbia

17.30-17.45

MODULATION OF RAT HIPPOCAMPAL PRO- AND ANTI-APOPTOTIC MOLECULES EXPRESSION AFTER DEXAMETHASONE TREATMENT

Drakulić D, Veličković N, Milošević M, Petrović S, Stanojević I, Horvat A

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

17.45-18.00

INTERACTION OF PRO- AND ANTIINFLAMMATORY SIGNALING PATHWAYS IN BRAIN OF JUVENILE RATS AFTER CRANIAL IRRADIATION

Veličković N, Drakulić D, Stanojević I, Milošević M, Petrović S, Horvat A

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

18.00-18.15 Pause

18.15-18.45

GUEST LECTURE/HISTORICAL NOTES ABOUT PHYSIOLOGY IN NEIGHBOURHOOD HISTORICAL ROOTS OF THE HUNGARIAN PHYSIOLOGICAL SOCIETY

Monos E

Institute of Clinical Experimental Research and Human Physiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

19.00

EXHIBITION OF PAINTINGS (Author Sretko Divljan, Dean, Faculty of Pedagogy in Jagodina, University of Kragujevac)

COCKTAIL (Restaurant, Faculty of Medicine University of Kragujevac)

Saturday, September 19th, 2009

SESSION 6: NEUROPHYSIOLOGY II

Chairmen: Stanojlović O, Radenović L, Petronijević N

09.00-09.15

HOMOCYSTEINE IS ENDOGENOUS CONVULSANT: BEHAVIORAL AND ELECTROENCEPHALOGRAPHIC EVIDENCES

Stanojlović O, Rašić-Marković A, Hrnčić D, Djurić D

Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, Belgrade, Serbia

09.15-09.30

THE EFFECTS OF L-ARGININE ON SPIKE-AND-WAVE COMPLEXES IN HOMOCYSTEINE THIOLACTONE –INDUCED SEIZURES IN ADULT RATS

Hrnčić D, Rašić – Marković A, Stanojlović O, Djurić D

Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, Belgrade, Serbia

09.30-09.45

THE EFFECT OF NMDA BLOCKERS ON D, L HOMOCYSTEINE-THIOLACTONE INDUCED SEIZURES IN ADULT RATS

Rašić – Marković A, Hrnčić D, Djurić D, Stanojlović O

Institute of Medical Physiology “Richard Burian”, School of Medicine, University of Belgrade, Belgrade, Serbia

09.45-10.00

MORPHOLOGICAL, BEHAVIORAL, AND BIOCHEMICAL STUDY OF NMDA RECEPTOR BLOCADE ON ISCHEMIA-INDUCED NEURONAL DAMAGE IN STRIATUM

Selaković V¹, Radenović L²

¹Institute for Medical Research, MMA, ²Department of Physiology and Biochemistry, Faculty of Biology, University of Belgrade, Belgrade, Serbia

10.00-10.15

CORTICAL INTERNEURONS AND SCHIZOPHRENIA

Petronijević N, Radonjić N

Institute of Medical and Clinical Biochemistry, School of Medicine, University of Belgrade, Belgrade, Serbia

10.15-10.30

PHARMACOLOGICAL CHALLENGE REVEALS LONG-TERM EFFECTS OF PERINATAL PHENCYCLIDINE TREATMENT ON RAT MOTOR ACTIVITY

Radonjić N¹, Vučković S², Marinković P³, Nešić Z², Prostran M², Ruždijić S³, Rakić Lj¹, Bumbaširević V⁴, Petronijević N¹

¹Institute of Medical and Clinical Biochemistry, School of Medicine, University of Belgrade, ²Institute of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, ³Department of Neurobiology, Institute for Biological Research, University of Belgrade, ⁴Institute of Histology and Embryology, School of Medicine, University of Belgrade, Belgrade, Serbia

10.30-11.00 Pause

SESSION 7: CLINICAL NEUROPHYSIOLOGY

Chairmen: Djurović B, Ilić T, Milovanović B

11.00-11.15

PATOPHYSIOLOGY OF SEVERE TRAUMATIC BRAIN INJURY

Djurović B, Jovanović V, Tasić G, Krunić-Protić R

Institute of Neurosurgery, Clinical Center of Serbia, Belgrade, Serbia

11.15-11.30

HOMEOSTATIC PLASTICITY OF HUMAN MOTOR CORTEX - TOWARDS DEFINITION OF MOTOR SKILLS ACQUISITION

Ilić TV¹, Ilić NV²

¹Department of Clinical Neurophysiology, Military Medical Academy, Belgrade, ²Clinic for Physical Medicine and Rehabilitation, Belgrade, Belgrade

11.30-11.45

BIOMARKERS OF CEREBRAL ISCHEMIA

Radenović L¹, Selaković V², Raičević R³, Lepić T³, Jekić Dj³

¹Department of Physiology and Biochemistry, Faculty of Biology, University of Belgrade, ²Institute for Medical Research, MMA, ³Clinic of Neurology, MMA, Belgrade, Serbia

11.45-12.00

AUTONOMIC NERVOUS SYSTEM ADJUSTMENT (ANSA METHOD) AND GENETICALLY ASPECTS OF AUTONOMIC NERVOUS SYSTEM DETERMINATION

Milovanović B

Clinical Hospital Center “Bežanijska Kosa”, Belgrade, Serbia

12.00-12.30 Pause

SESSION 8: ENDOCRINOLOGY

Chairmen: Kostić T, Kojić Z, Dejanova B

12.30-12.45

THE ADAPTIVE RESPONSE OF LEYDIG CELLS TO IMMOBILIZATION STRESS: STIMULATION OF PKA AND STAR PROTEIN

Kostić TS, Stojkov NJ, Janjić MM, Andrić SA

Laboratory for Reproductive Endocrinology and Signaling, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

12.45-13.00

THE ADAPTIVE RESPONSE OF LEYDIG CELLS TO IMMOBILIZATION STRESS: PKG-I "OVERDRIVE OPERATION" ON STAR PROTEIN

Andrić SA, Janjić MM, Stojkov NJ, Kostić TS

Laboratory for Reproductive Endocrinology and Signaling, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

13.00-13.15

MITOCHONDRIAL ELECTRON TRANSFER AND OXIDATIVE PHOSPHORYLATION IN RAT LEYDIG CELLS: THE EFFECTS OF ACUTE AND REPEATED IMMOBILIZATION STRESS

Kojić Z¹, Kostić T²

¹*Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, Belgrade,* ²*Laboratory for Reproductive Endocrinology and Signaling, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia*

13.15-13.30

DILTIAZEM PREVENTION OF TOXIC EFFECTS OF MONOSODIUM GLUTAMATE ON TESTIS IN RATS

Bojanić V¹, Bojanić Z², Najman S³, Djordjević A⁴, Rančić G⁴, Jančić S⁶

¹*Institute for Pathophysiology, Faculty of Medicine, University of Niš,* ²*Institute for Pharmacology and Toxicology, Faculty of Medicine, University of Niš,* ³*Institute for Biology and Human Genetics, Faculty of Medicine, University of Niš,* ⁴*Institute for Histology, Faculty of Medicine, University of Niš, Niš,* ⁶*Institute for Pathology, Faculty of Medicine, University of Kragujevac, Kragujevac, Serbia*

13.30-13.45

THE EFFECTS OF GENISTEIN AND DAIDZEIN ON PITUITARY-THYROID AXIS IN ORCHIDECTOMIZED MIDDLE-AGED RATS

Šošić-Jurjević B, Filipović B, Ajdžanović V, Pantelić J, Sekulić M

Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia

13.45-14.00

IRON AND OXIDATIVE STRESS IN MENOPAUSAL WOMEN

Dejanova B, Petrovska S

Institute of Physiology, Medical Faculty, Skopje, FYR Macedonia

14.00-14.15

CENTRAL GHRELIN ADMINISTRATION DECREASES ENERGY EXPENDITURE BY INFLUENCE ON FAT METABOLISM

Nešić D¹, Kravić T², Stevanović D¹, Bumbaširević V², Starčević V¹

¹*Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade,* ²*Institute of Histology and Embryology, School of Medicine, University of Belgrade, Belgrade, Serbia*

14.15-14.30

MORPHOFUNCTIONAL CHANGES IN PITUITARY-THYROID AXIS AFTER CENTRAL GHRELIN ADMINISTRATION

Tomić I¹, Stevanović D¹, Šošić-Jurjević B², Milošević V², Nešić D¹, Sekulić M², Starčević V¹

¹*Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade,* ²*Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia*

14.30-14.45

EFFECTS OF OMEGA-3 SUPPLEMENTATION ON PLASMA PHOSPHOLIPID FATTY ACIDS PROFILE AND OXIDATIVE STRESS PARAMETERS IN AGED WISTAR RATS

Popović T¹, Arsić A¹, Borozan S¹, Debeljak-Martačić J¹, Vučić V¹, Tepšić J¹, de Luka S², Milovanović I², Glibetić M¹

¹*Institute for Medical Research, University of Belgrade,* ²*Institute for Pathological Physiology, School of Medicine, University of Belgrade, Belgrade, Serbia*

14.45-15.00

IMPROVEMENT OF HRV INDICES WITH BENFOTIAMINE AND ALFA-LIPOIC ACID IN TYPE 2 DIABETIC PATIENTS

Rašić-Milutinović Z¹, Penčić B², Ribarić I³, Peruničić-Peković G⁴, Milovanović B⁵

¹Department of Endocrinology, Clinical Center "Zemun", ²Department of Cardiology, Clinical Center "Dr Dragiša Mišović", ³Department of Neurology, Clinical Center "Zemun", ⁴Department of Nephrology, Clinical Center "Zemun", ⁵Clinical Hospital Center "Bežanijska Kosa", Zemun/Belgrade, Serbia

15.00-16.00 Pause/Lunch

SESSION 9: IMMUNOHAEMATOLOGY

Chairmen: Milenković P, Leposavić G, Najman S

16.00-16.15

NEUROIMMUNOMODULATION: NEURO-THYMIC AND INTRATHYMIC CATECHOLAMINE-MEDIATED COMMUNICATIONS IN FINE TUNING OF T-CELL DEVELOPMENT

Leposavić G

Department of Physiology, Faculty of Pharmacy, University of Belgrade, Belgrade, Immunology Research Center, Institute of Virology, Vaccines and Sera "Torlak", Belgrade, Serbia

16.15-16.30

STEM CELL AND HEMATOPOIESIS

Milenković P

Institute for Medical Research, Faculty of Stomatology, University of Belgrade, Belgrade, Serbia

16.30-16.45

STUDY OF SIMVASTATIN INFLUENCE ON HEMATOLOGIC AND BONE MARROW HISTOLOGICAL FINDINGS IN WISTAR RATS NEONATALLY TREATED WITH MONOSODIUM GLUTAMATE

Najman S¹, Ćirić M², Bojanić V³, Bojanić Z⁴, Cvetković T⁵, Djordjević A⁶, Najman SS³, Bubanj M⁷

¹Institute of Biology and Human Genetics, Faculty of Medicine, University of Niš, ²Institute of Physiology, Faculty of Medicine, University of Niš, ³Institute of Pathophysiology, Faculty of Medicine, University of Niš, ⁴Institute of Pharmacology, Faculty of Medicine, University of Niš, ⁵Institute of Biochemistry, Faculty of Medicine, University of Niš, ⁶Institute of Histology, Faculty of Medicine, University of Niš, ⁷Department of Pharmacy, Faculty of Medicine, University of Niš, Serbia

16.45-17.00

INFLAMMATORY MARKERS AND CARDIOVASCULAR PARAMETERS IN THE PREDICTION OF MORTALITY IN HEMODIALYSIS PATIENTS

Peruničić-Peković G¹, Rašić-Milutinović Z¹, Ignjatović A², Čeleketić D³, Milovanović B⁴

¹Department of Nephrology, University Hospital Zemun, ²Department of Endocrinology, University Hospital Zemun, ³Department of Haematology, University Hospital Zemun, ⁴Clinical Hospital Center "Bežanijska Kosa", Belgrade, Serbia

17.00-17.30 Pause

SESSION 10: HYPERBARIC AND GRAVITATIONAL PHYSIOLOGY

Chairmen: Jovanović T, Stojiljković M, Kulchitsky VA

17.30-17.45

MICROGRAVITATION AND DEVELOPMENT: POSITIVE AND NEGATIVE QUESTIONS

Kulchitsky VA¹, Custaud MA², Navasiolava NM^{1,2}, Pashkevich SG¹, Roeva MO¹, Emelianova AA¹

¹Institute of Physiology, National Academy of Sciences, Minsk, Belarus, ²CNRS UMR 6214 - INSERM U771, Faculte de Medecine d'Angers, Angers, France

17.45-18.00

MOLECULAR MECHANISMS OF HYPERBARIC OXYGENATION

Jovanović T^{1,2}, Brkić P¹

¹Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, ²CHM-Center for Hyperbaric Medicine, Belgrade, Serbia

18.00-18.15

THE EFFECTS OF THE HYPERBARIC OXYGEN TREATMENT DURING THE RECOVERY FROM THE BRAIN TRAUMA

Brkić P¹, Peković S², Lavrnja I², Stojkov D², Bjelobaba I², Dacić S³, Rakić Lj⁴, Stojiljković M^{2,3}, Jovanović T¹
¹Institute of Medical Physiology „Richard Burian“, School of Medicine, University of Belgrade, ²Department of Neurobiology, Institute for Biological Research “Siniša Stanković”, University of Belgrade, ³Faculty of Biology, University of Belgrade, ⁴Serbian Academy of Sciences and Arts, Belgrade, Serbia

18.15-18.30

THE EFFECT OF HYPERBARIC OXYGEN TREATMENT ON INFLAMMATORY RESPONSE AFTER TRAUMATIC BRAIN INJURY

Stojiljković M^{2,3}, Jovanović T¹, Lavrnja I², Stojić A², Stojkov D², Bjelobaba I², Dacić S³, Rakić Lj⁴, Peković S²
¹Institute of Medical Physiology “Richard Burian”, School of Medicine, University of Belgrade, Belgrade, ²Department of Neurobiology, Institute for Biological Research “Sinisa Stankovic”, ³Faculty of Biology, University of Belgrade, ⁴Serbian Academy of Sciences and Arts, Belgrade, Serbia

18.30-18.45

THE IMPACT OF MOLECULAR OXYGEN ON THE FUNCTIONAL CAPABILITY OF SPERMATOZOIDS

Mitrović A¹, Brkić P², Jovanović T^{2,3}
¹Clinic of Gynecology and Obstetrics “Narodni front“, Belgrade, ²Institute of Medical Physiology “Richard Burian“, School of Medicine, Belgrade, ³CHM-Center for Hyperbaric Medicine, Belgrade, Serbia

18.45-19.00

INFLUENCE OF VARIOUS REGIMES OF HYPERBARIC OXYGENATION ON THE LEVEL OF LIPID PEROXIDATION AND HEMORHEOLOGY IN PATIENTS WITH A STABLE ANGINA PECTORIS

Levin G¹, Kolesnichenko I²
¹Nizhny Novgorod Research Institute of Trauma and Orthopedics, ²Nizhny Novgorod Regional Clinical Hospital named after N.A. Semashko, Nizhny Novgorod, Russia

19.00-19.15

HYPERBARIC OXYGEN THERAPY EFFECT ON PARAMETERS OF QUALITY OF LIFE IN RHEUMATOID ARTHRITIS PATIENTS

Polyakova L¹, Voronenkova E¹, Živković M²
¹Department of Hyperbaric Oxygenation, Sechenov Moscow Medical Academy, Moscow, Russian Federation, ²HBO Medical Center, Belgrade, Serbia

Sunday, September 20th, 2009

SESSION 11: INTEGRATIVE PHYSIOLOGY OF STRESS AND EXERCISE

Chairmen: Nešić M, Mazić S, Rosić G

09.00-09.15

INTEGRATIVE APPROACH IN STRESS UNDERSTANDING

Nešić M¹, Nešić V²
¹Department of Physiology, Faculty of Medicine, University of Niš, ²Department of Psychology, Faculty of Philosophy, University of Niš, Niš, Serbia

09.15-09.30

HORMONAL CHANGES IN EXERTIONAL HEAT STRESS AND EFFECT OF ACCLIMATION

Radaković SS¹, Šurbatović M¹, Joksimović M¹, Ajdinović B¹, Marić J², Filipović N¹, Jevtić M¹, Jakovljević V³, Radjen S¹, Stefanova E⁴
¹Military Medical Academy, Belgrade, ²Institute for Public Health, Pančevo, ³Department of Physiology, Faculty of Medicine, University of Kragujevac, Kragujevac, ⁴Institute of Neurology, Clinical Center of Serbia, Belgrade, Serbia

09.30-09.45

SPECIFICITY OF PHYSIOLOGICAL ADAPTATION TO ENDURANCE TRAINING IN COMPETITIVE RACE WALKERS

Radovanović D¹, Ignjatović A², Stojiljković N¹, Raković A¹, Popović T³
¹Faculty of Sport and Physical Education, University of Niš, Niš, ²Faculty of Pedagogy, University of Kragujevac, Jagodina, ³Faculty of Sports and Physical Education, University of Belgrade, Belgrade, Serbia

09.45-10.00

THE PHYSIOLOGICAL RESPONSE OF THE CARDIOVASCULAR SYSTEM TO REGULAR PHYSICAL ACTIVITY - ELECTROCARDIOGRAPHIC AND ECHOCARDIOGRAPHIC MODIFICATIONS

Mazić S¹, Djelić M¹, Suzić J³, Ilić V², Aćimović T¹, Aleksandrić M¹, Dekleva M³, Radovanović D³
¹*Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, ²Faculty of Sports and Physical Education, University of Belgrade, ³University Clinical Center "Dr. Dragiša Mišović", Belgrade, Serbia*

10.00-10.15

GUEST PRESENTATION/HISTORICAL NOTES ABOUT PSYCHOPHYSIOLOGY INFLUENCE OF PHYSIOLOGY ON DEVELOPMENT OF EXPERIMENTAL PSYCHOLOGY

Nešić V¹, Nešić M²
¹*Department of Psychology, Faculty of Philosophy, University of Niš, ²Department of Physiology, Faculty of Medicine, University of Niš, Niš, Serbia*

10.15-11.00 Pause

SESSION 12: GENETIC EPIDEMIOLOGY

Chairmen: Magić Z, Dragović G, Milojković M

11.00-11.15

GENETICIZATION OF MEDICINE

Magić Z
Institute for Medical Research, Military Medical Academy, Belgrade, Serbia

11.15-11.30

ALLELE AND GENOTYPE FREQUENCIES OF CYP2B6 AND CYP3A5 IN THE SERBIAN POPULATION

Dragović G¹, Grbović L¹, Jevtović Dj², Back D³, Smith C⁴, Youle M⁵, Owen A³
¹*Department for Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Belgrade, ²The HIV-AIDS Center, Institute of Infectious and Tropical Disease "Dr Kosta Todorović", School of Medicine, University of Belgrade, Belgrade, ³Department of Pharmacology and Therapeutics, University of Liverpool, Liverpool, UK, ⁴Department of Primary Care and Population Sciences, Royal Free and University College Medical School, London, UK, ⁵Royal Free Center for HIV Medicine, Royal Free and University College Medical School, University College London, London, UK*

11.30-11.45

FREQUENCY OF C1266T, G2677T/A AND 3435T MDR1 GENE POLYMORPHISMS IN SERBIAN POPULATION

Milojković M¹, Stojnev S¹, Ljubisavljević S¹, Mušović D¹, Dunjić O¹, Sunder-Plassmann R²
¹*Institute of Pathophysiology, Faculty of Medicine, University of Niš, Niš, Serbia, ²Clinical Institute for Medical and Chemical Laboratory Diagnostics, General Hospital of Vienna, Vienna, Austria*

11.45-12.00 Pause

SESSION 13: PHARMACOLOGICAL RESEARCH

Chairmen: Todorović Z, Milovanović RS, Milovanović D

12.00-12.15

THE INFLUENCE OF DRUGS ON BIOCHEMICAL MARKERS OF ISCHEMIA-REPERFUSION INJURY

Todorović Z¹, Prostran M¹, Nešić Z¹, Stojanović R¹, Stojanov M²
¹*Department of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, ²Institute of Medical Biochemistry, Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia*

12.15-12.30

PATIENTS RECEIVING RISPERIDONE WERE PREDISPOSED TO HYPOCALCEMIA

Milovanović D¹, Janjić V², Zornić N³, Djukić-Dejanović S², Janković S¹
¹*Department of Basic and Clinical Pharmacology, ²Psychiatry Clinic, ³Center for Anesthesiology, Medical Faculty and Clinical Center, Kragujevac, Serbia*

12.30-12.45

HYPERTENSIVE PREGNANCY-ASSOCIATED DYSFUNCTION OF VASCULAR ENDOTHELIUM

Radenković M

Department of Pharmacology, Clinical Pharmacology and Toxicology, Medical Faculty, University of Belgrade, Belgrade, Serbia

12.45-13.00

THE EFFECTS OF NICARDIPINE AND VERAPAMIL ON THE CIRCULAR AND LONGITUDINAL MUSCLE OF THE ISOLATED RAT UTERUS

Milovanović RS¹, Kordić-Bojinović J²

¹Faculty of Medicine, University of East Sarajevo, Foča, Republic of Srpska, Bosnia and Herzegovina, ²High Medical School "Milutin Milanković", Belgrade, Serbia

13.00-13.15

ACUTE PROTECTIVE EFFECTS OF STATINS IN THE RAT MODEL OF RENAL ISCHEMIA-REPERFUSION INJURY: DIFFERENCE BETWEEN SIMVASTATIN AND PRAVASTATIN

Nešić Z¹, Todorović Z¹, Stojanović R¹, Divac N¹, Basta-Jovanović G², Radivojević-Škodrić S², Prostran M¹

¹Department of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, ²Department of Pathology, School of Medicine, University of Belgrade, Belgrade, Serbia

13.15-13.45 Pause

SESSION 14: HERBAL EXTRACTS

Chairmen: Radenković M, Branković S, Dekanski D

13.45-14.00

DRY OLIVE LEAF EXTRACT INHIBITS LIPID PEROXIDATION IN EXPERIMENTALLY INDUCED GASTRIC LESIONS

Dekanski D¹, Ristić S¹, Radonjić N², Petronijević N², Mitrović DM³

¹R&D Institute, Galenika a.d. Belgrade, ²Institute of Medical and Clinical Biochemistry, School of Medicine, University of Belgrade, ³Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, Belgrade, Serbia

14.00-14.15

THE EFFECTS OF VARIOUS HERBAL EXTRACTS ON THE CONTRACTILITY OF ISOLATED RAT ATRIA AND GUT

Radenković M, Branković S

Department of Physiology, Faculty of Medicine, University of Niš, Niš, Serbia

14.15-14.30

HYPOTENSIVE, CARDIOINHIBITORY AND SPASMOLYTIC EFFECTS OF THE ETHANOL EXTRACT OF SIDERITIS RAESERI SPP. RAESERI BOISS & HELDR

Branković S¹, Kitić D², Radenković M¹, Veljković S¹, Bigović D³, Janković T³, Šavikin K³, Zdunić G³

¹Department of Physiology, Faculty of Medicine, University of Niš, ²Department of Pharmacology, Faculty of Medicine, University of Niš, Niš, ³Institute for Medicinal Plants Research, Belgrade, Serbia

14.30-14.45 Pause

SESSION 15: FREE COMMUNICATIONS

Chairmen: Collis C, Bajin-Katić K, Mitrović D

14.45-15.00

ENZYMATIC ACTIVITY OF AST, ALT AND GDH IN BIOCHEMICAL DIAGNOSTICS OF GASTRIC CARCINOMA

Bajin-Katić K¹, Stankov K¹, Kovačević Z², Breberina M³

¹Department of Biochemistry, Faculty of Medicine, University of Novi Sad, ²Serbian Academy of Sciences and Arts, Branch in Novi Sad, ³Institute of Oncology of Vojvodina, Sremska Kamenica, Serbia

15.00-15.15

SCIENTIFIC METHODS AND COMMUNICATION IN PHYSIOLOGICAL SCIENCES

Collis C

Collis Strategic Communication Ltd, London, UK

15.15-15.30

CONCLUDING REMARKS/ AWARD FOR BEST POSTER

Chairmen: Djurić D, Jakovljević V, Mitrović D

SERBIAN PHYSIOLOGICAL SOCIETY-GENERAL ASSEMBLY MEETING (Amphitheatre)

POSTER SESSIONS

Friday, September 18th, 2009

9.00-19.00 Poster Session 1

(The presence of poster authors is required from 14.00 to 16.00)

Chairmen: Horvat A, Selaković V, Krstić D

SESSION 1: DENTAL AND BONE PHYSIOLOGY

P 1 BONE-MARKERS IN PERIODONTAL DISEASE

Vlad C¹, Dumitrascu V², Vlad DC³, Gurban CV⁴, Matusz AA⁵, Cheveresan A²

¹Private Dentistry Unit, Timisoara, ²Department of Pharmacology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ³Smart Lab Diagnostics, Clinical Laboratory, Timisoara, ⁴Department of Biochemistry, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ⁵Private Family Health Care Unit, Timisoara, Romania

P2 BONE SPECIFIC ALKALINE PHOSPHATASE – MARKER OF BONE TURNOVER AT PATIENTS WITH OSTEOARTHRITIS

Dumitrascu V¹, Vlad DC², Gurban CV³, Cojocaru M⁴, Radulov I⁵, Vlad C⁶, Matusz AA⁷, Poenaru DV⁸, Patrascu J⁸, Florescu S⁸

¹Department of Pharmacology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ²Smart Lab Diagnostics, Clinical Laboratory, Timisoara, ³Department of Biochemistry, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ⁴Department of Physiology, "Titu Maiorescu" University of Medicine and Pharmacy, Bucharest, ⁵Department of Chemistry, Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, ⁶Private Dentistry Unit, Timisoara, ⁷Private Family Health Care Unit, Timisoara, ⁸Department of Orthopedy – Traumatology II, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P3 THE OPG/RANKL SYSTEM AND ZINC IONS ARE PROMOTORS OF BONE REMODELING BY OSTEOBLAST PROLIFERATION IN POSTMENOPAUSAL OSTEOPOROSIS.

Gurban CV¹, Cojocaru M², Vlad DC³, Dumitrascu V⁴, Radulov I⁵, Vlad C⁶, Matusz AA⁷, Poenaru DV⁸, Patrascu J⁸, Florescu S⁸

¹Department of Biochemistry, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ²Department of Physiology, "Titu Maiorescu" University of Medicine and Pharmacy, Bucharest, ³Smart Lab Diagnostics, Clinical Laboratory, Timisoara, ⁴Department of Pharmacology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ⁵Department of Chemistry, Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, ⁶Private Dentistry Unit, Timisoara, ⁷Private Family Health Care Unit, Timisoara, ⁸Department of Orthopedy – Traumatology II, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P4 RANKL - MARKER OF OSTEOCLASTOGENESIS ACTIVATION IN GONARTHROSIS

Vlad DC¹, Dumitrascu V², Gurban CV³, Cojocaru M⁴, Radulov I⁵, Vlad C⁶, Matusz AA⁷, Poenaru DV⁸, Patrascu J⁸, Florescu S⁸

¹Smart Lab Diagnostics, Clinical Laboratory, Timisoara, ²Department of Pharmacology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ³Department of Biochemistry, "Victor Babes" University of Medicine and Pharmacy, Timisoara, ⁴Department of Physiology, "Titu Maiorescu" University of Medicine and Pharmacy, Bucharest, ⁵Department of Chemistry, Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, ⁶Private Dentistry Unit, Timisoara, ⁷Private Family Health Care Unit, Timisoara, ⁸Department of Orthopedy – Traumatology II, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania

P5 THE INFLUENCE OF SIMVASTATIN ON CALCIUM AND MAGNESIUM LEVEL IN TIBIA OF RATS NEONATALLY TREATED WITH MONOSODIUM GLUTAMATE

Ćirić M¹, Najman S², Bojanić V³, Bojanić Z⁴, Cvetković T⁵, Kaličanin B⁶, Cekić S¹, Nešić M¹, Branković S¹, Velimirović D⁶, Puškaš N⁷

¹Institute of Physiology, Faculty of Medicine, University of Niš, ²Institute of Biology and Human Genetics, Faculty of Medicine, University of Niš, ³Institute of Pathophysiology, Faculty of Medicine, University of Niš, ⁴Institute of Pharmacology, Faculty of Medicine, University of Niš, ⁵Institute of Biochemistry, Faculty of Medicine, University of Niš, ⁶Department of Pharmacy, Faculty of Medicine, University of Niš, Niš, ⁷Institute of Histology, School of Medicine, University of Belgrade, Belgrade, Serbia

SESSION 2: ENDOCRINOLOGY

P6 INFLUENCE OF ESSENTIAL OIL OF VITEX AGNUS-CASTUS ON THYROID C CELLS OF MIDDLE-AGED MALE RATS

Pantelić J, Filipović B, Ajdžanović V, Trifunović S, Medigović I, Sekulić M

Department of Citology, Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia

P7 EFFECTS OF A NEW PLANT MIXTURE HG5 ON GLUCOSE AND LIPID LEVEL IN PATIENTS WITH METABOLIC SYNDROM

Djekić-Ivanković M¹, Savikin K², Zdunić G², Debeljak-Martačić J¹, Tepšić J¹, Popović T¹, Vucic V¹, Glibetić M¹

¹Institute for Medical Research, University of Belgrade, Belgrade, ²Institute for Medicinal Plants Research, Belgrade, Serbia

P8 THE ROLE OF MMP-9 IN THE DEVELOPMENT OF ACUTE CORONARY SYNDROME (ACS) IN PATIENTS WITH DIABETES MELLITUS TYPE 2

Gostiljac D¹, Djordjević P¹, Djurić D³, Peruničić J², Lasica R², Čolak E⁴, Obrenović R⁵, Čanović F¹, Dimitrijević-Srećković V¹, Ilić M¹

¹Institute for Endocrinology, Diabetes and Metabolism Disorders, Clinical Center of Serbia, ²Institute for Cardiology, Clinical Center of Serbia, ³Institute for Medical Physiology "Richard Burian", School of Medicine, ⁴Institute for Occupational Health, Clinical Center of Serbia, ⁵Institute for Neurology, Clinical Center of Serbia, Belgrade, Serbia

P9 MMP-9 AND MARKERS OF MYOCARDIAL NECROSIS IN PATIENTS WITH DIABETES MELLITUS TYPE2 (DMT2) AND ACUTE MYOCARDIAL INFARCTION (AMI)

Gostiljac D¹, Djordjević P¹, Djurić D³, Peruničić J², Lasica R², Čolak E⁴, Obrenović R⁵, Čanović F¹, Dimitrijević-Srećković V¹, Ilić M¹

¹Institute for Endocrinology, Diabetes and Metabolism Disorders, Clinical Center of Serbia, ²Institute for Cardiology, Clinical Center of Serbia, ³Institute for Medical Physiology "Richard Burian", School of Medicine, ⁴Institute for Occupational Health, Clinical Center of Serbia, ⁵Institute for Neurology, Clinical Center of Serbia, Belgrade, Serbia

P10 THYROID GLAND IN EXPERIMENTAL CADMIUM POISONING

Stanojlović Ž¹, Bojanić Z², Joksimović I³, Radivojčević U⁴, Stanković V⁴, Knežević M⁴, Jančić S⁴

¹Department of Surgery, Health Center, Kruševac, ²Institute for Pharmacology, Faculty of Medicine, University of Niš, Niš, ³Health Center, Niš, ⁴Institute for Pathology, Faculty of Medicine, University of Kragujevac, Kragujevac, Serbia

P11 ROLE OF PROTEIN KINASE A AND G IN RECOVERY OF STRESS-REDUCED LEYDIG CELL STEROIDOGENESIS

Janjić MM, Stojkov NM, Andrić SA, Kostić TS

Laboratory for Reproductive Endocrinology and Signaling, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

P12 STUDY OF OVARIAN CHANGES IN THE RATS WITH MAMMARY CARCINOMAS

Zečević M¹, Jovanović T², Bojanić V³, Katić K⁴, Marić I⁵, Jančić S⁵, Knežević M⁵

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P13 COMPARISON OF THE VALUE OF T3, T4 AND TSH IN SERA OF ANIMALS TREATED WITH LOW AND HIGH DOSE OF POTASSIUM IODINE SOLUTIONS

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P14 THE EFFECTS OF GENISTEIN AND ESTRADIOL ON THE OVARIES OF IMMATURE RATS: STEREOLOGICAL STUDY

Medigović I, Ristić N, Manojlović-Stojanoski M, Šošić-Jurjević B, Pantelić J, Milošević V, Nestorović N
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P15 MECHANISMS OF RELAXATION EFFECTS OF PENTOXIFYLLINE ON THE CONTRACTILE ACTIVITY OF ISOLATED NON-PREGNANT UTERUS AND MESENTERIC ARTERY OF RATS

Kordić-Bojinović J¹, Jakovljević V³, Djuric D⁴, Dukić N², Trbojević S², Nikolić-Kokić A⁵, Slavić M⁵, Spasić M⁵, Blagojević D⁵, Milovanovic RS^{2,5}

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P16 THE EFFECT OF POTASSIUM CHANNEL OPENER PINACIDIL ON THE CONTRACTILE ACTIVITY OF NON-PREGNANT RAT UTERUS

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P17 FIBRINOLYTIC ENZYMES AND FACTOR VII IN POSTMENOPAUSAL WOMEN AFTER SIX MONTHS OF HORMONE-REPLACEMENT THERAPY

Petrovska S, Dejanova B.

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P18 ACUTE AND REPEATED EFFECTS OF ECSTASY (MDMA) ON PLASMA OSMOLARITY AND SODIUM CONCENTRATION IN FEMALE AND MALE RATS

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P19 ESTROGEN RECEPTOR ALPHA (ER α) IN LEYDIG CELLS OF HYPOGONADAL RATS IS DOWN-REGULATED AND CAN NOT BE RECOVER BY TESTOSTERONE TREATMENT

Stojkov NJ, Janjić MM, Kostić TS, Andrić SA

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SESSION 3: ENZYMES

P20 EFFECT OF MONOVALENT IONS ON ADENYLATE CYCLASE ACTIVITY IN THE SYNAPTIC MEMBRANES OF RAT BRAIN CORTEX

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P21 EFFECT OF POTASSIUM AND RUBIDIUM IONS ON ADENYLATE CYCLASE ACTIVITY IN SYNAPTIC MEMBRANES FROM RAT BRAIN CORTEX

Zarić M, Nikolić I, Zelen I, Stojanović M, Stojanović T

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P22 TEMPERATURE AND pH INFLUENCE ON PEPSIN STABILITY: AN ELECTROPHORETIC AND MALDI TOF STUDIES

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P23 D, L-HOMOCYSTEINE THIOLACTONE EFFECTS ON THE ACETYL CHOLINESTERASE ACTIVITY IN DIFFERENT TISSUES OF RAT

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P24 INHIBITION OF AChE BY DIAZINON AND ITS PHOTOINDUCED BY-PRODUCTS

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P25 GENOTOXICITY TESTING OF DIAZINON AND ITS PHOTODEGRADATION PRODUCTS

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SESSION 4: EXERCISE

P26 LACK OF EFFECT OF LEPTIN ON THE RUNNING ENDURANCE OF TRAINED RATS

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P27 OXIDATIVE STRESS AND HEART FUNCTIONALITY: STUDY ON YOUNG SOCCER PLAYERS

Čubrilo D¹, Živković V¹, Vuletić M¹, Barudžić N¹, Macura M², Slavić M³, Blagojević D³, Spasić M³, Jakovljević V¹

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P28 ELECTROCARDIOGRAPHIC MONITORING OF ATHLETE'S HEART MORPHOLOGICAL CHANGES DEPENDING ON AGE AND TRAINING EXPERIENCE

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P29 EFFECTS OF PROGRAMMED AEROBIC AND STRENGTH TRAINING WITH WEIGHT REDUCING DIET ON THE BODY COMPOSITION

Ilić D¹, Ilić V¹, Mrdaković V¹, Jakovljević V², Mazić S³, Mitrović D³

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P30 BODY FAT PERCENTAGE OF ELITE ATHLETES: COMPARE METHODS OF SKIN FOLD THICKNESS AND BIOELECTRICAL IMPEDANCE (BIA)

Djelić M¹, Djurić I¹, Ilić V², Filipović Dj¹, Suzić J³, Suzić S¹, Mazić S¹

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P31 FUNCTIONAL ABILITIES AS PREDICTOR OF SPECIFIC MOTOR SKILLS OF YOUNG WATER POLO PLAYERS

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P32 INFLUENCE OF RESISTANCE TRAINING ON CARDIORESPIRATORY ENDURANCE IN YOUNG ATHLETES

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P33 EFFECTS OF EXPERIMENTAL EXERCISE PROGRAM ON CARDIORESPIRATORY FITNESS IN PATIENTS WITH MYOCARDIAL INFARCTION

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P34 MATHEMATICAL ANALYSIS OF THE HEART RATE AND LACTATE CURVES DURING INCREMENTAL EXERCISE TESTING

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P35 EVALUATION OF OXIDATION STATUS IN ELITE KARATE ATHLETES DURING THE TRAINING PROCESS

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P36 BIOCHEMICAL STATUS IN ELITE SPORTSMEN

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P37 THE DYNAMIC OF NO AND O₂⁻ PRODUCTION DURING ERGOMETRIC TEST IN ATHLETES

Zlatković M¹, Matović A¹, Plavšić J¹, Ilić J¹, Gavrilović T¹, Jakovljević V², Pantić I³, Djurić D³

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SESSION 5: GENETIC EPIDEMIOLOGY

P38 GENETIC POLYMORPHISMS OF DRUG-METABOLIZING ENZYMES CYP2D6, CYP2C9, CYP2C19 IN THE SERBIAN POPULATION

Buzadžić I¹, Ilić VT², Pejin I¹

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P39 ANALYSIS OF POSSIBLE ASSOCIATION OF BALKAN ENDEMIC NEPHROPATHY WITH ACE, AT1R AND TGFB1 GENE POLYMORPHISMS

Krcunović Z¹, Novaković I¹, Maksimović N¹, Simić-Ogrizović S², Ležajić V², Marić I³, Bukvić D³, Janković S⁴, Djukanović Lj²

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SESSION 6: GASTROINTESTINAL PHYSIOLOGY

P40 RELAXANT EFFECT OF THE ETHANOL EXTRACT OF HELICHRYSUM PLICATUM ON ISOLATED RAT ILEUM CONTRACTION

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P41 STUDY OF PANCREAS MORPHOLOGICAL CHANGES IN MONOSODIUM GLUTAMATE (MSG) NEONATALLY TREATED RATS

Rančić G¹, Bojanić V², Rančić I¹, Najman S³, Jančić S⁴, Petrović A¹, Bojanić Z⁵

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P42 THE ROLE OF NO IN THE CONTRACTILITY OF GUINEA-PIG TERMINAL ILEUM

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SESSION 7: IMMUNOHAEMATOLOGY

P43 ISOLATION AND CHARACTERIZATION OF MOUSE MESENCHYMAL STEM CELLS AS A MODEL FOR TISSUE ENGINEERING STUDIES

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P44 HUMAN UMBILICAL CORD WHARTON'S JELLY-DERIVED MESENCHYMAL STEM CELLS

Kocić J¹, Terzić M², Santibanez JF¹, Mojsilović S¹, Krstić A¹, Okić I¹, Jovčić G¹, Milenković P¹, Bugarski D¹

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P45 ENGRAFTMENT KINETICS IN CHILDREN UNDERGOING AUTOLOGOUS PERIPHERAL BLOOD STEM CELL TRANSPLANTATION

Lazić E, Veljković D, Slavković B, Zečević Ž, Jevtić D, Vujić D

Mother and Child Health Care Institute of Serbia „Dr Vukan Čupić“, Belgrade, Serbia

P46 PHENOTYPE OF THYMOCYTE IN EXPERIMENTALLY INDUCED LYMPHOCITIC THYROIDITIS

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P47 CHARACTERISATION OF N-GLYCANS ATTACHED TO IGFBP-3 IN CIRCULATION OF HEALTHY ADULTS

Masnikosa R, Baričević I, Lagundžin D, Nedić O

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P48 EFFECTS OF LYSINE-ACETYLSALICYLATE ON THE NUMBER OF BLOOD NEUTROPHILS AND NEUTROPHIL LOBES IN GUINEA-PIGS

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P49 POLYMORPHISM OF TNF- α , IL-10, CD14 AND IL-1RA IN CRITICALLY ILL SERBIAN TRAUMA PATIENTS WITH AND WITHOUT SEPSIS

Šurbatović M¹, Radaković S¹, Magić Z¹, Cikota B¹, Jevtić M¹, Filipović N¹, Popović N², Jakovljević V³, Jevdjić J⁴, Grujić K⁵, Djordjević D¹

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P50 COMPARATIVE ANALYSES OF IMMUNOGLOBULIN CONCENTRATIONS BY RADIAL IMMUNODIFFUSION AND LASER NEPHELOMETRY

Radović I¹, Ilić N¹, Radović B², Savić O³, Jagličić P³, Petrović M¹, Sofronić-Milosavljević Lj¹

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P51 MULTIPOTENT DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS OBTAINED FROM PERIPHERAL BLOOD

Santibanez JF, Kocić J, Ilić V, Mojsilović S, Krstić A, Okić I, Jovčić G, Milenković P, Bugarski D

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P52 INTERLEUKIN-17A MODULATES MESENCHYMAL CELL COMMITMENT TO THE MYOGENIC AND OSTEOGENIC LINEAGES

Santibanez JF, Kocić J, Mojsilović S, Krstić A, Okić I, Jovčić G, Milenković P,

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P53 EFFECTS OF PROLONGED ADMINISTRATION OF LYSINE-ACETYLSALICYLATE ON HUMORAL IMMUNE RESPONSE IN GUINEA-PIGS

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P54 ROLE OF TNF ON MECHANISM OF LDH RELEASE IN TUMOR CELLS

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P55 EFFECTS OF THE THERAPEUTIC AGENTS ON THE HISTAMINE CONCENTRATION IN RHEUMATOID ARTHRITIS PATIENTS

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SESSION 8: CLINICAL NEUROPHYSIOLOGY

P56 CHANGES OF THE SURFACE EMG DURING UKK WALK TEST

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P57 EVENT RELATED POTENTIALS AND FUNCTIONAL ASYMMETRY OF THE BRAIN

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P58 REACTION TIMES CURVE DURING EXG PARADIGM IN ADHD CHILDREN

Plunčević-Gligoroska J, Mančevska S, Sivevska E, Božinovska L

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P59 THE INFLUENCE OF A DOMINANT HAND WHEN PERFORMING THE ODDBALL TASK ON FZ LATENCY OF THE EVENT-RELATED POTENTIAL P300

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P60 RELATIONSHIP AND CONNECTION BETWEEN REACTING TIME AND EVENT-RELATED POTENTIAL P300

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Saturday, September 19th, 2009

9.00-19.00 Poster Session 2

(The presence of poster authors is required from 14.00 to 16.00)

Chairmen: Bojanić V, Milovanović Z, Marković S

SESSION 9: CARDIOVASCULAR PHYSIOLOGY

P61 HEART RATE VARIABILITY AFTER APPLICATION OF NOCICEPTIN ANALOG [DAB⁹]N/OFQ(1-13)NH₂ IN CONSCIOUS SPONTANEOUSLY HYPERTENSIVE RATS

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P62 EFFECTS OF NOCICEPTIN ANALOGS [DAB⁹]N/OFQ(1-13)NH₂ AND [DAP⁹]N/OFQ(1-13)NH₂ ON THE FAST OSCILLATION OF ARTERIAL BLOOD PRESSURE IN CONSCIOUS RATS

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P63 THE ROLE OF NITRIC OXIDE SIGNAL SYSTEM IN VASODILATING PROPERTIES OF NEBIVOLOL

Brkić P, Mitrović A, Rašić-Marković A, Grajić M, Jovanović T

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P64 THE EFFECTS OF DIFFERENT PHOSPHODIESTERASE-5 (PDE5) INHIBITORS ON OXIDATIVE STRESS IN ISOLATED RAT HEART

Krkeljić J¹, Djurić D², Živković V¹, Vuletić M¹, Barudžić N¹, Jakovljević V¹

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P65 LOSARTAN IMPROVES RENAL HAEMODYNAMIC IN COMBINED MODEL OF HYPERTENSION AND ACUTE RENAL FAILURE (ARF)

Ivanov M, Miloradović Z, Mihailović-Stanojević N, Grujić-Milanović J, Jovović Dj

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P66 THE RELAXANT EFFECTS OF PINACIDIL ON THE ISOLATED MESENTERIC ARTERIES OF NORMOTENSIVE AND HYPERTENSIVE RATS

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P67 THE EFFECT OF DIFFERENT VASODILATORS ON THE HUMAN UMBILICAL VEIN SMOOTH MUSCLE

Milovanović RS¹, Stanković D¹, Jokanović D¹, Čančar V¹, Kordić-Bojinović J²

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P68 SHAKER STRESS AND RESTRAINT STRESS DIFFERENTIALY AFFECT CARDIOVASCULAR SHORT-TERM VARIABILITY AND THE SPONTANEOUS BARORECEPTOR REFLEX IN CONSCIOUS RATS

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P69 SPONTANEOUS BARORECEPTOR REFLEX IN NORMOTENSIVE RATS-ASSESSMENT BY SYMBOLIC DYNAMIC

Milutinović-Smiljanić S¹, Lončar-Turukalo T², Agić A¹, Bajić D², Japundžić-Žigon N¹

¹Institute of Pharmacology, School of Medicine, University of Belgrade, Belgrade, ²Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia

P70 INFLUENCE OF DIFFERENT CYCLIC NUCLEOTIDES ON CONTRACTILITY OF RIGHT VENTRICLE OF RAT HEART WITH INTACT AND REMOVED ENDOCARDIAL ENDOTHELIUM

Smiljić S¹, Radović D¹, Savić S², Nestorović V¹, Biševac B¹, Ristić S³, Dmitrova-Pancheva Dj⁴, Pavlović M⁵

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P71 THE IMPORTANCE OF NT-PRO-BNP IN EVALUATION OF LEFT VENTRICULAR FUNCTION IN PATIENTS SUFFERING FROM CORONARY HEART DISEASE

Medjedović S¹, Jakovljević V², Vujanović S¹, Pavlović M¹, Randjelović D¹, Vučinić Ž³

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P72 SPONTANEOUS BAROREFLEX RESPONSE OF WISTAR RATS DURING THE TIME COURSE OF AIR-JET STRESS

Bojić T¹, Bajić D², Stojičić S³, Lončar Turukalo T², Šarenac O¹, Milutinović Smiljanić S³, Murphy D⁴, Paton JFR⁵, Japundžić Žigon N¹

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P73 THE EFFECTS OF DIFFERENT PHOSPHODIESTERASE-5 (PDE5) INHIBITORS ON CORONARY AUTOREGULATION IN ISOLATED RAT HEART

Živković V¹, Djurić D², Vuletić M¹, Krkeljić J¹, Jakovljević V¹

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P74 THE INFLUENCE OF VERAPAMIL ON ECG CHARACTERISTICS, CENTRAL VENOUS PRESSURE AND CATECHOLAMINE CONCENTRATION IN SERUM OF ANESTHETIZED DOGS

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SESSION 10: NEUROPHYSIOLOGY

P75 CELLULAR MARKERS OF NEUROINFLAMMATION IN THE BRAIN OF THE hSOD1^{G93A} RAT MODEL OF ALS

Stamenković S, Bataveljić D, Radenović L, Andjus PR

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P76 CHARACTERIZATION OF 58 PS CHANNEL FROM CYTOPLASMIC DROPLETS OF CHARA GYMNOPHYLLA

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P77 CELLULAR MARKERS OF INFLAMMATION IN A RAT CHRONIC MODEL OF CEREBRAL ISCHEMIA

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P78 INHIBITION OF MITOCHONDRIAL Na-DEPENDENT Ca²⁺ EFFLUX IN RAT HIPPOCAMPUS BY 17β- ESTRADIOL

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P79 ONTOGENETIC PROFILE OF ECTO-5'-NUCLEOTIDASE IN RAT BRAIN SINAPTOSOMES

Stanojević I¹, Bjelobaba I², Drakulić D¹, Veličković N¹, Petrović S¹, Milošević M¹, Horvat A¹

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P80 KINDLING MODEL-AN ANIMAL MODEL FOR EXPERIMENTALLY INDUCED EPILEPSY

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P81 HISTOLOGICAL EVALUATION OF MAGNETIC FIELD EFFECT ON MONGOLIAN GERBILS CNS

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P83 THE ROLE OF VOICE FUNDAMENTAL FREQUENCY CONTOUR IN INSTANTANEOUS PSYCHOPHYSIOLOGICAL STATE ASSESSMENT

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P84 EFFECT OF STATIC MAGNETIC FIELD ON THE ACETYLCHOLINE INDUCED RESPONSE OF IDENTIFIED SNAIL N1 AND BR NEURONS

Nikolić Lj, Kartelija G, Nedeljković M, Todorović N

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P85 EFFECT OF STATIC MAGNETIC FIELD ON FRACTAL COMPLEXITY OF SPONTANEOUS NEURONAL ACTIVITY IN SNAIL

Spasić S¹, Nikolić Lj², Mutavdžić D¹, Kartelija G², Todorović D³

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Radonjić N¹, Nikolić T¹, Obradović A², Marina Lj³, Bumbaširević V⁴, Petronijević N¹

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Hrnčić D¹, Rašić – Marković A¹, Šušić V², Djurić D¹, Stanojlović O¹

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P90 THE POTENTIAL NEUROPROTECTIVE EFFECT OF MK-801 IN GERBIL MODEL OF GLOBAL CEREBRAL ISCHEMIA

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SESSION 11: OXIDATIVE STRESS BIOLOGY

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P92 EFFECTS OF OMEGA-3 SUPPLEMENTATION ON PLASMA PHOSPHOLIPID FATTY ACIDS PROFILE AND OXIDATIVE STRESS PARAMETERS IN AGED WISTAR RATS

Popović T¹, Arsić A¹, Borozan S³, Debeljak-Martačić J¹, Vucić V¹, Tepšić J¹, de Luka S², Milovanović I², Glibetić M¹

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P93 OLIVE LEAF EXTRACT PREVENTS DECREASE OF ANTIOXIDATIVE ENZYMES ACTIVITY IN GASTRIC MUCOSA INDUCED BY ABSOLUTE ETHANOL

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Djačić D, Žižić J, Ilić A, Ognjanović B, Štajn A, Marković S

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P95 THE EFFECTS OF ACUTE OR CHRONIC STRESS ON CuZnSOD PROTEIN EXPRESSION IN RAT LIVER

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P96 ACTIVITY XANTHINE OXIDOREDUCTASE AND OXIDATIVE STRESS IN PLASMA HYPERTENSIVE AND HEART FAILURE PATIENTS ASSOCIATED WITH AGE-RELATED CATARACT

Kisić B¹, Mirić D¹, Zorić L², Dragojević I¹, Stolić A³, Veličković S⁴, Milentijević V⁵, Arsenijević J⁵

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P97 ANTIOXIDANT ENZYMES IN BLOOD OF GYNECOLOGICAL PATIENTS: INFLUENCE OF DIAGNOSIS, AGE AND REPRODUCTIVE FACTORS

Pejić S, Stojiljković V, Todorović A, Kasapović J, Pajović SB

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P98 CISPLATIN INDUCED CHANGES IN ANTIOXIDATIVE DEFENSE ENZYME ACTIVITIES IN THE RAT KIDNEYS: PROTECTIVE ROLE OF SELENIUM

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P99 PROTECTIVE EFFECT OF VITAMIN C ON ANTIOXIDANT DEFENSE SYSTEM IN THE LIVER OF RATS TREATED WITH CISPLATIN

Mladenović JM¹, Ognjanović BI¹, Trbojević IS¹, Milovanović JM¹, Djordjević NZ¹, Marković SD¹, Štajn AŠ¹, Saičić ZS²

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P100 EFFECTS OF CHRONIC CO-TREATMENT OF CISPLATIN AND SELENIUM ON REDOX STATUS IN RED BLOOD CELLS OF RATS

Obradović A, Žikić M, Djordjević N, Ognjanović B, Štajn A, Marković S

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P101 THE ROLE OF OXIDATIVE STRESS IN FETAL DISTRESS DEVELOPMENT: RESULTS OF A CLINICAL RESEARCH

Raičević S¹, Čubrilo D², Arsenijević S³, Vukčević G¹, Živković V², Vuletić M², Barudžić², Antonović O⁴, Jakovljević V²

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P102 THE ALTERATIONS IN ANTIOXIDANT STATUS OF CHILDREN AFFECTED BY CELIAC DISEASE

Stojiljković V, Todorović A, Pejić S, Kasapović J, Pajović SB

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P103 ROLE OF SELENIUM IN AMELIORATING THE CISPLATIN INDUCED OXIDATIVE DAMAGE TO KIDNEY AND LIVER IN RATS

Trbojević IS¹, Ognjanović BI¹, Milovanović JM¹, Mladenović JM¹, Djordjević NZ¹, Marković SD¹, Štajn AŠ¹, Saičić ZS²

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P104 EFFECTS OF CHRONIC TREATMENT OF CISPLATIN AND SELENIUM ON ANTIOXIDATIVE ENZYME ACTIVITIES IN RED BLOOD CELLS OF RATS

Žižić J, Cvetanović A, Radulović A, Djačić D, Obradović A, Ognjanović B, Štajn A, Marković S
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SESSION 12: RESPIRATORY PHYSIOLOGY

P105 THE INTRABRONCHIAL AND EXTRABRONCHIAL FACTORS IN THE OBSTRUCTION OF SMALL AIRWAYS

Sumrak DT, Mitić N, Mirić M, Popović Lj, Radić I, Miličević N, Dragojević I, Djokić TD
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P106 THE ROLE OF INFLAMMATION IN PREVALENCE OF COPD IN WOOD WORKERS

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P107 BRONCHIAL SENSIBILITY AND AIRWAY RESPONSIVENESS TO WOOD-DUST OF BEECH TREE IN WOOD-WORKERS

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P108 EFFECT OF KCN ON RESPIRATION OF FUNGUS PHYCOMYCES BLAKESLEEANUS

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SESSION 13: TEACHING

P109 IMPACT OF INTRODUCING E-LEARNING IN TEACHING PHYSIOLOGY AND PHARMACOLOGY AT BALKAN UNIVERSITIES – A PILOT STUDY

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CONGRESS DATE

September 17-20, 2009

CONGRESS VENUE

Faculty of Medicine University of Kragujevac – Amphitheatre
Official entrance (Str. Svetozara Markovica 69, Kragujevac)
(Participation upon registration only)

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The congress desk will be open on:

September 17 th	11.30 – 19.30
September 18 th	8.00 – 19.00
September 19 th	8.00 – 19.00
September 20 th	8.00 – 15.30

REGISTRATION FEE (before August 15th 2009 or after August 15th 2009)

PARTICIPANTS	70 € or 90 €
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Two interactive poster sessions will be held during the congress. Authors are requested to mount their posters from 9.00 to 18.30 on the day of the poster presentation. 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 for which their poster has been scheduled (14.00 – 16.00).

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Video beam projection will be available in the conference room for the sessions, plenary lectures and oral presentations. Presentations should be prepared in "Power Point" (*.ppt file).

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

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Coffee, refreshment and lunch will be served upon request on commercial basis in a restaurant of Faculty of Medicine University of Kragujevac and it will be on the responsibility of the participants.

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Notification of cancellation should be sent in writing to Program/Organizing Committee. If a cancellation is received before September 1st 2009, 70% of the total amount will be refunded to the participant. We regret that no refunds can be given for cancellations received on or after that date. Please note that for administrative reasons, refunds will be dealt with after the Congress.

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Certain number of abstracts presented the congress will be qualified to be published as a full-length papers in an international journal indexed in *Current Contents/Science Citation Index (Acta Physiologica Hungarica, official journal of the Hungarian Academy of Sciences)* upon invitation ONLY and after per-review procedure.

HOTEL ACCOMMODATION & OTHER INQUIRES

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