AUSPICES

20th Meeting of the Balkan Clinical Laboratory Federation  
8th EFLM Symposium for the Balkan Region  
18th Congress of Medical Biochemists of Serbia

is organized under the Auspices of the

International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)
European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)
Balkan Clinical Laboratory Federation (BCLF)
Ministry of Education and Science of Serbia
Ministry of Health of Serbia

MEETING ORGANISERS

Balkan Clinical Laboratory Federation  
Society of Medical Biochemists of Serbia  
Pharmaceutical Faculty  
Institute of Medical Biochemistry  
Clinical Center of Serbia

MEETING SECRETARIAT

Institute of Medical Biochemistry  
Clinical Center of Serbia  
Višegradska 26  
11000 Belgrade, Serbia

Phone/Fax: +381 11 361 56 31  
E-mail: dmbj@eunet.rs  
Website: www.bclf2012.org  
www.bclf.info  
www.dmbj.org.rs
Dear colleagues and friends,

The Society of Medical Biochemists of Belgrade has the pleasure of inviting you to the 20th Meeting of the Balkan Clinical Laboratory Federation to be held in Belgrade, on September 18–22, 2012, joined together with the 8th EFLM Symposium for the Balkan Region and 18th Congress of Medical Biochemists of Serbia.

This is the third time that the Society of Medical Biochemists of Serbia acts as the organizer of the BCLF Meetings. The Fourth Meeting of the Balkan Clinical Laboratory Federation was held in Budva in 1996, and the 11th BCLF 2003 Meeting was organized in Belgrade, under the auspices of the International Federation of Clinical Chemistry (IFCC) and the Forum of the European Societies of Clinical Chemistry (FESCC). More than 500 scientists from all over the world and all the Balkan countries were present. It has been generally agreed that the meeting fulfilled the expectations and was a success.

The Serbian capital Belgrade, the host of the Meetings, is an ancient city. No one knows when the first settlers inhabited the area of present-day Belgrade. During the prehistoric era, the city surroundings were already densely populated. In those times, land and river caravans traveling along some of the oldest trade routes were meeting on its territory.

The ancient peoples who lived on this land were changing by turns from the Illyrian tribe of Autariats, through Dacians, Celtic Scordians, to Thracian Sings, etc. Belgrade’s many names include: Singidunum, Alba Bulgaricam, Nandorfejervar, Albanandor, Wiessenburg, Griechisch Weissenburg, Alba Graeca, Castelbianco and Beograd (Belgrade). It is believed that the first inhabitants of Belgrade were the Sings, one of the Thracian-Illyrian tribes. They
are mentioned by Herodotus, the father of European history. The city's first name recorded in history was SINGIDUNUM, most probably of Celtic origin, and can be found in the works of ancient authors and antique inscriptions. It was derived from the name of the Thracian tribe of SINGS and the Celtic word DUNUM, meaning »town«. In historic documents, the city appeared under the Slavic name Belograd or Beograd in the 9th century.

Belgrade lies at the mouth of two rivers, the Danube and the Sava, under the Avala mountain, and these are the silent witnesses of a long and bloody history of the city that has always risen from ashes, like the Phoenix, each time bigger and more beautiful.

The 20th BCLF Meeting in Belgrade will continue with its successful progress of the previous years, aiming to focus on the new data in the field of laboratory medicine. The intention is also to increase the participation of clinical chemists from all the Balkan countries, as well as from the neighboring states.

We hope that we will have the pleasure of your presence and, speaking on behalf of the Society of Medical Biochemists of Serbia, we look forward to your active participation in the works of the 20th Balkan Clinical Laboratory Federation Meeting and 8th Symposium for the Balkan Region, as well as the 18th Serbian National Congress of Medical Biochemistry and Laboratory Medicine.

President
Society of Medical Biochemists of Serbia

Prof. Dr. Nada Majkić-Singh
WELCOME MESSAGE

Dear colleagues,

It is my pleasure to attend the 2012 Belgrade Meeting of the Society Medical Biochemists Serbia in Belgrade as President of the European Federation of Clinical Chemistry and Laboratory Medicine. The EFCC now known as the EFLM, is keen to promote laboratory medicine as a description of our profession to better identify ourselves to clinical colleagues and governments, it helps them understand what we do as Specialists in Laboratory Medicine. I will describe in a brief presentation to you what EFLM does in its various committees and what its structure is.

I am looking forward to the Scientific Programme and I wish you an enjoyable and satisfactory meeting.

EFLM PRESIDENT

Dr Ian D Watson
WELCOME MESSAGE

Dear colleagues,

On behalf of the Board of Balkan Federation of Clinical Chemistry and Laboratory Medicine, it is an honor for me to welcome you to the 20th Meeting of the Balkan Clinical Laboratory Federation, to be held in Belgrade, on September 18–22, 2012.

In support of our mission, 20th BCLF Meeting will bring together integrated studies from many laboratory medicine specialist and physician colleagues, contributing in the enhancement of understanding, diagnosis, therapy and prevention of diseases.

This meeting will be an arena of many discussions of the most challenging issues. Rapid technological changes and increasing of quality management request in laboratory medicine field have also brought an important change in the way of thinking about the patient’s care and providing quality standards.

Over the last few years the public health and our physician colleagues have become increasingly aware of the fact that laboratory medicine serves as the basis for the majority of medical decisions. Now is our responsibility to improve and to apply widely »the gold standards« in our laboratory medicine practice. Supporting the application of the quality and competence international standard ISO 15189, the medical laboratories of all our Balkan countries will have a unique European standard.

20th BCLF Meeting in Belgrade will join us together; strengthen our friendship and professional communication, exploring in the same time the beauty and history of Belgrade, an old city full with history but in the same time full with life, joy and friendship.

I wish you to enjoy the 20th BCLF Meeting and your stay in Belgrade too.

BCLF President

Prof. Anyla Bulo-Kasneci
PRESIDENTS OF THE 20th BCLF MEETING
Nada Majkić-Singh, Meeting President
Svetlana Ignjatović, Vice-President

IFCC PRESIDENT
Graham Beastall, United Kingdom

EFLM PRESIDENT
Ian Watson, United Kingdom

BCLF PRESIDENT
Anyla Bulo-Kasneci, Albania

BCLF PAST-PRESIDENT
Gheorghe Benga, Romania

ORGANIZING COMMITTEE
Zorica Šumarac, President
Nada Majkić-Singh
Svetlana Ignjatović
Sanja Stanković
Radmila Obrenović
Janko Pejović
Tatjana Vodnik
Snežana Jovičić
Mirka Ilić
Velibor Canić
Jelena Ošap
Aleksandra Nikolić-Đorđević
Andelo Beletić
Jasna Bjelanović

SCIENTIFIC COMMITTEE (in alphabetical order)
Gheorghe Benga, Romania
Anyla Bulo-Kasneci, Albania
Jozo Ćorić, Bosnia and Herzegovina
Stoyan Danev, Bulgaria
Najdana Gligorović-Barhanović, Montenegro
Svetlana Ignjatović, Serbia
Valentina Koloska, Macedonia
Nada Majkić-Singh, Serbia
Tomris Özben, Turkey
Nazmi Özer, Turkey
Katherina Psarra, Greece
Demetrios Rizos, Greece
Milko Shishenkov, Bulgaria
Sanja Stanković, Serbia
Orestes Tsolas, Greece
Kamen Tzatchev, Bulgaria
PRE-CONGRESS SCIENTIFIC ACTIVITY

8th EFLM Symposium for Balkan Region

Under IFCC and EFLM Auspices

Vitamin D Deficiency: A new challenge for laboratory medicine

FINAL PROGRAMME

Best Western Hotel M, BELGRADE, SERBIA
September 19, 2012
8th EFLM Symposium for Balkan Region

is organized under the Auspices of the

International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)
European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)
Balkan Clinical Laboratory Federation (BCLF)

MEETING ORGANIZERS

Society of Medical Biochemists of Serbia
Institute of Medical Biochemistry, Pharmaceutical Faculty, University of Belgrade
&
Clinical Center of Serbia

Symposium coordinators:
Nada Majkić-Singh (Serbia)
Svetlana Ignjatović (Serbia)

MEETING SECRETARIAT

Institute of Medical Biochemistry
Clinical Center of Serbia
Višegradska 26
11000 Belgrade, Serbia
Phone/Fax: +381 11 361 56 31
e-mail: dmbj@eunet.rs
Website: www.dmbj.org.rs
WEDNESDAY, SEPTEMBER 19, 2012
9:00 – 17:00

Section 1

Chairs: N. Majkić-Singh (Serbia)  
E. Topić (Croatia)  
S. Ignjatović (Serbia)

9:00 – 11:00 Lectures

Welcome and Introduction  
_Nada Majkić-Singh_ (Belgrade, Serbia)  
_Elizabeta Topić_ (Zagreb, Croatia)

Biochemistry and metabolism of vitamin D – Introduction  
_Snežana Jovičić, Svetlana Ignjatović, Nada Majkić-Singh_ (Belgrade, Serbia)

Vitamin D relevance – challenges in diagnosis and monitoring hypovitaminosis D  
_Michael Vogeser_ (Munich, Germany)

Vitamin D: needs during pregnancy and the perinatal period  
_Edgard E. Delvin_ (Montreal, Canada)

The role of vitamin D in osteoporosis  
_Vera Popović_ (Belgrade, Serbia)

Discussion

11:00 – 11:30 Coffee break
Section 2

Chairs: V. Mihailović-Vučinić (Serbia)  
D. Pavlović (Croatia)

11:30 – 13:00 Lectures

Vitamin D in the prevention of renal and cardiovascular disease  
Draško Pavlović (Zagreb, Croatia)

The role of vitamin D in multisystem sarcoidosis  
Violeta Mihailović-Vučinić (Belgrade, Serbia)

Biological and clinical effects of vitamin D in the elderly population  
Roxana Fournier (Amiens, France)

Contribution of diet to vitamin D status  
Maja Nikolić (Niš, Serbia)

Discussion

13:00 – 14:30 Lunch

Section 3

Chairs: M. Serteser (Turkey)  
N. Babić (USA)

14:30 – 15:40 Lectures

Vitamin D measurement – challenges in exact diagnosis, pitfalls, standardization, results of the Elecsys vitamin D total assay  
Heinz Juergen (Pablo) Roth (Heidelberg, Germany)

Challenges in vitamin D analysis  
Mustafa Serteser (Istanbul, Turkey)

Analytical methods and performance of immunoassays methods for determination of vitamin D in comparison to mass spectrometry  
Nikolina Babić (Chicago, USA)

Discussion

15:40 – 16:00 Coffee break
Section 4

Experiences from Balkan region
(Participation of Serbia, Turkey, Greece, Romania)

Chairs: D. Rizos (Athens, Greece)
        A. Sepici Dinçel (Turkey)

16:00 – 17:00 Lectures

Comparison of three different methods for 25(OH)-vitamin D
determination and vitamin D status in general population
– A Serbian experience
*Snežana Jovičić, Svetlana Ignjatović, Ranka Kangrga, Andelo Beletić,
Duško Mirković, Nada Majkić-Singh* (Belgrade, Serbia)

Levels of 25-OH vitamin D in healthy postmenopausal women.
Comparison of two different methods
*Antigoni Kapetanaki, Evangelia Tsoka, Irene Lambrinoudaki, Demetrios Rizos*
(Athens, Greece)

The low serum concentration of 25-OH vitamin D in patients
with early rheumatoid arthritis
*Manole Cojocaru, Inimiara Mihaela Cojocaru, Isabela Silosi*
(Bucharest & Craiova, Romania)

Does vitamin D really affect muscle strength and balance in knee
osteoarthritis?
*Aylin Sepici Dinçel* (Ankara, Turkey)

Discussion
20th MEETING OF THE BALKAN CLINICAL LABORATORY FEDERATION

FINAL PROGRAMME

WEDNESDAY, SEPTEMBER 19, 2012
18:00 – 21:00

Opening Ceremony

Musical Introduction
Infinity Quintet

Welcome addresses
Meeting President, Nada Majkić-Singh
EFLM President, Ian Watson
BCLF President, Anyla Bulo-Kasnci

Welcome from Local Authorities

Awards Presentation
Serbian Society of Medical Biochemists Award 2012

Opening Lecture
Vitamin D: A D-Lightful Solution for Good Health
Professor Michael Holick (Boston, USA)

Welcome Reception
THURSDAY, SEPTEMBER 20, 2012
9:00 – 18:00

Session 1
PREANALYTICS – THE RIGHT WAY FOR IMPROVEMENT PATIENTS SAFETY
Chairs: Zorica Šumarac (Serbia)
Ana-Maria Šimundić (Croatia)

9:00 – 11:00 Lectures

Pre-analytical errors and patient safety
Mario Plebani (Padova, Italy)

Patients identification errors
Vladimir Palička (Hradec, Králové, Czech Republic)

Detection and management of hemolyzed samples
Ana-Maria Šimundić (Zagreb, Croatia)

Pre-analytical phase in relation to hemostasis
Steve Kitchen (Sheffield, UK)

Discussion

11:00 – 11:30 Coffee break

Session 2
EXPERIENCES IN PREANALYTICS FROM BALKAN REGION
Chairs: Zorica Šumarac (Serbia)
Mustafa Serteser (Turkey)

11:30 – 12:30 Lectures

How laboratory accreditation assures patient safety?
Mustafa Serteser (Istanbul, Turkey)
The Link between Laboratory Accreditation and Accuracy in Patients and Samples Identification – Romanian Experience.

*Simona Berbecar* (Bucharest, Romania)

Serbian experiences in management of pre-analytical phase

*Zorica Šumarac, Nada Majkić-Singh, Andelo Beletić* (Belgrade, Serbia)

**Discussion**

**12:30 – 13:30 Commercial workshop – Sysmex Europe**

- Clinical relevance of the new advanced clinical parameters
- Sysmex extended red blood cell parameters and their impact on detecting haematological abnormalities including thalassaemia (focus on RBC/RET parameters)
- Reliable and fast: Standardised analysis of CSF and other body fluids

Lecturer: Tanja Tornow, Sysmex Europe.

**13:30 – 15:00 Lunch**

**15:00 – 15:30 Plenary Lecture**

Clinical pharmacogenomics and the concept of personalized medicine

*Nikolina Babić* (Chicago, USA)

**Session 3**

**EDUCATION AND TRAINING OF SPECIALISTS IN LABORATORY MEDICINE**

Chairs: *Nada Majkić-Singh* (Serbia)  
*Elizabeta Topić* (Croatia)

**15:30 – 16:30 Lectures**

Patient Focused Laboratory Medicine

*Ian Watson* (Liverpool, UK)
European Education in Laboratory Medicine and Recognition of Professional Qualifications. Harmonization, actual and present status

Victor Blaton (Brugge, Belgium)

The Continuous Professional Development Crediting System in EFLM Societies

Elizabeta Topić (Zagreb, Croatia)

Discussion

Session 4

NEW BIOCHEMICAL MARKERS – I

Chairs: Kamen Tzatchev (Bulgaria)

Sanja Stanković (Serbia)

17:00 – 18:30 Oral presentations

Biomarkers in patients with ST-segment elevation myocardial infarction treated by primary percutaneous coronary intervention

Sanja Stanković, Milika Ašanin, Nada Majkić-Singh (Belgrade, Serbia)

Diagnostic significance of matrix metalloproteinase 9 (MMP-9) as an early marker of acute myocardial infarction

Emina Čolak, Nada Majkić-Singh (Belgrade, Serbia)

Mutational screening of nine most common cyp21a2 point mutations in Macedonian and Serbian 21-hydroxylase deficiency patients

Violeta Anastasovska, M. Kocova (Skopje, Macedonia)

New tumoral biomarkers used in the diagnosis, prognosis and therapeutic approach in prostate cancer patients

Raluca Dumache, Bogdan Bumbăcilă, Anca Tudor, Dana David, Maria Puiu, Victor Dumitrașcu (Timisoara, Romania)

Two faces of glucose-6-phosphate dehydrogenase

Nuray Ullusu (Ankara, Turkey)

Discussion

THURSDAY, SEPTEMBER 20, 2012

17:30 – 19:00 BCLF Executive Board Meeting
FRIDAY, SEPTEMBER 21, 2012
9:00 – 18:00

Session 5

NEW BIOCHEMICAL MARKERS – II
Chairs: Demetrios Rizos (Greece)
       Radmila Obrenović (Serbia)

9:00 – 11:00  Oral presentations

Recent progress towards non-invasive prenatal diagnosis of chromosomal abnormalities
Demetrios Rizos (Athens, Greece)

Serum cystatin C level in pregnancy
Radmila Obrenović, Nada Majkić-Singh (Belgrade, Serbia)

Laboratory screening of renal transplant patients
Ozlem Goruroğlu Ozturk (Adana, Turkey)

Variability of Bone Markers in Osteoporosis and Experiences in Balkan Countries
Aylin Sepici Dinçel (Ankara, Turkey)

Autoimmunity and vaccination: is there a link?
Manole Cojocaru, Inimioara Mihaela Cojocaru (Bucharest, Romania)

New laboratory biomarkers in preeclampsia, our experience
Albana Daka, Anyla Bulo-Kasneći, Myftar Barbullushi (Tirana, Albania)

Discussion

12:00 – 13:00  Commercial workshop ABBOTT

ARCHITECT Clinical Chemistry Traceability, Result Comparability and Sigma Metrics
David Armbruster, PhD, DABCC, FACB
Scientific Affairs Manager
Abbott Diagnostics, Global Scientific Affairs
Traceability and uncertainty in hematology  
*Dr. Hans Hoffmann, PhD, EurClinChem*  
Abbott Diagnostics, Scientific Affairs Hematology Europe

**13:00 – 14:30  Lunch**

**Session 6**

**TUMOR MARKERS AND MOLECULAR DIAGNOSIS OF CANCER**  
Chairs: *Camelia Grigore* (Romania)  
*Anyla Bulo-Kasneci* (Albania)

**14:30 – 16:00  Lectures**

Hereditary breast cancer: beyond *BRCA* genes  
*Christos Kroupis* (Athens, Greece)

Serological markers in prostate cancer  
*Camelia Grigore, Nicolae Grigore* (Sibiu, Romania)

Diagnostic value of chromogranin A as a biomarker of neuroendocrine tumors (NETS)  
*Anyla Bulo-Kasneci* (Tirana, Albania)

Discussion

**Session 7**

**STANDARDIZATION IN LABORATORY MEDICINE**  
Chairs: *Milko Shishenkov* (Bulgaria)  
*Mirka Ilić* (Serbia)

**16:00 – 17:30  Lectures**

Analytical standardization and harmonization  
*Muhittin Serdar* (Ankara, Turkey)

POCT at the Crossroads of innovation and successful strategies  
*Bernard Gouget* (Paris, France)
Turnaround time in the emergency biochemical laboratory
Mirka Ilić, Sanja Stanković, Nada Majkić-Singh, Marina Ilić (Belgrade, Serbia)

Effects of new oral anticoagulants on laboratory tests of haemostasis
Steve Kitchen (Sheffield, UK)

Common urinalysis – current practices and future perspectives
Milko Shishenkov (Sofia, Bulgaria)

Discussion

17:30 – 18:00 Closing Ceremony

20:30 – 23:00 Meeting Dinner
POSTERS

POSTERS (will be displayed on Thursday, 20th and Friday, 21st September)

- Setup: starting 8:30
- Display: 9:00–17:30
- Withdrawal: 17:30–18:00

POSTERS PRESENTATIONS ON THURSDAY, 20th September

Chairs: Svetlana Ignjatović (Serbia)
        Slavica Kundalić (Serbia)

P001 BROTHERS WITH STILL DISEASE: MONITORING AND CONTROL
CMJ Malem
Laboratory »Claudio Malem & Associates«, General Alvear, Province of Mendoza, Argentine Republic

P002 FOLLOWING AND CONTROL OF AN ADULT WITH MACROGLOBULINEMIA OF WALDENSTRÖM
CMJ Malem
Laboratory »Claudio Malem & Associates«, General Alvear, Province of Mendoza, Argentine Republic

P003 INVERSION OF THE LEUKOCYTE COUNT IN THE ABUSE OF BENZODIAZEPINE DERIVATIVES
CMJ Malem
Laboratory »Claudio Malem & Associates«, General Alvear, Province of Mendoza, Argentine Republic

P004 PROGNOSTIC SIGNIFICANCE OF PREOPERATIVE SERUM GSTP1 GENE IN MEN FOLLOWING RADICAL PROSTATECTOMY
Raluca Dumache
Laboratory Medicine, Timisoara, Romania

P005 RELATIONSHIP AMONG SERUM LIPIDS, FIBRINOLYTIC ENZYMES AND FACTOR VII IN WOMEN DURING MENOPAUSE
S. Petrovska, M. Papazova, B. Dejanova, V. Antevska, I. Karagjozova
Institute of Physiology, Medical Faculty, »Ss. Cyril and Methodius« University, Skopje, Macedonia
P006 THE EFFECTS OF LHRH ON PITUITARY SOMATOTROPS IN OVARIECTOMIZED FEMALE RATS
Branislava Brkić1, Svetlana Trifunović, Vladimir Ajdžanović, Nataša Ristić, Jasmina Pantelić, Ivana Medigović, Verica Milošević
1 »Beo-Lab« Laboratory, Belgrade, Serbia
2 Institute for Biological Research »Siniša Stanković«, University of Belgrade, Belgrade, Serbia

P007 EXPOSURE TO CONSTANT LIGHT ENVIRONMENT ALTERS PITUITARY SOMATOTROPH, MAMMOTROPH AND THYROTROPH CELLS IN FEMALE RATS
Verica Milošević, Branka Šošić-Jurjević, Nataša Ristić, Vladimir Ajdžanović, Milica Manojlović-Stojanoski, Branko Filipović, Nataša Nestorović
Institute for Biological Research »Siniša Stanković«, University of Belgrade, Belgrade, Serbia

P008 CA 242 – A NOVEL MARKER FOR GASTROINTESTINAL CARCINOMAS
Victor Manolov1, Nikola Stanchev2, Vasil Vasilev1
1 Medical University, »Alexandrov« Hospital – Department of Clinical Laboratory and Clinical Immunology, Sofia, Bulgaria
2 Medical University, »Alexandrov« Hospital – Department of Gastroenterology, Sofia, Bulgaria

P009 I-FABP AND INTESTINAL BOWEL DISEASES
Victor Manolov, Nikola Stanchev, Vasil Vasilev
1 Medical University, »Alexandrov« Hospital – Department of Clinical Laboratory and Clinical Immunology, Sofia, Bulgaria
2 Medical University, »Alexandrov« Hospital – Department of Gastroenterology, Sofia, Bulgaria

P010 URINARY NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN (NGAL) IN PATIENTS WITH CHRONIC HEART FAILURE
Victor Manolov, Emil Manov, Vasil Vasilev
1 Medical University, »Alexandrov« Hospital – Department of Clinical Laboratory and Clinical Immunology, Sofia, Bulgaria
2 Medical University, »Alexandrov« Hospital – Department of Cardiology, Sofia, Bulgaria

P011 COMPREHENSIVE ANALYSIS OF RHD ALLELES IN ALBANIANS WITH VARIANT D PHENOTYPES
Merita Xhetani, Irena Seferi, Yann Fichou, Grigor Zoraqi
1 National Blood Transfusion Center
2 Molecular Diagnostics and Genetic Research Center, Maternity Hospital «Queen Geraldine», Tirana, Albania
3 Inserm U1078, Etablissement Français du Sang – Bretagne, France
P012 ASSESSING THE USE OF GLUTATHIONE S-TRANSFERASE P1 (GSTP1) PROMOTER GENE METHYLATION IN URINE TO DETECT PROSTATE CANCER
Raluca Dumache₂, Maria Puiu¹, Radu Minciu¹, Anca Tudor¹, Sorina Popescu¹, Carmen Haivas¹, Bogdan Bumbacila⁴
University of Medicine and Pharmacy »Victor Babes«, Timisoara, Romania
University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania

P013 HEPCIDIN: A NOVEL MARKER IN IRON METABOLISM DISORDERS
Victor Manolov¹, B. Atanasova¹, Kamen Tzatchev¹, E. Hadjieva²
¹Department of Clinical Laboratory and Clinical Immunology, Medical University – Sofia, Central Clinical Laboratory – »Alexandrov« Hospital
²Propedeutic Department of Internal Medicine, Medical University – Sofia, Clinic of Hematology – »Alexandrov« Hospital

P014 MEASUREMENT OF MINERAL ELEMENTS AND HEAVY METALS FROM HAIR CELLS BY IPC-MASS SPECTROMETRY
Aurelian Udristioiu¹, Manole Cojocaru², Florin Mitu³
¹Clinical Laboratory, Emergency County Hospital, Targu Jiu, Romania
²Department of Physiology, Faculty of Medicine, Titu Maiorescu University, Bucharest, Romania
³Mecro System SRL, Bucharest, Romania

P015 IDENTIFICATION OF RHD GENE IN ALBANIANS WITH VARIANT D PHENOTYPES
Merita Xhetani¹, Irena Seferi¹, Yann Fichou², Grigor Zoraqi³
¹National Blood Transfusion Center
²Inserm U1078, Etablissement Français du Sang, Bretagne, France
³Molecular Diagnostics and Genetic Research Center, Maternity Hospital »Queen Geraldine«, Tirana, Albania

P016 MOLECULAR CHARACTERIZATION OF THE RHD FETAL GENE IN ALLOIMMUNIZED RHD NEGATIVE MOTHERS
Merita Xhetani¹, Yann Fichou², Irena Seferi¹, Grigor Zoraqi³
¹National Blood Transfusion Center
²Inserm U1078, Etablissement Français du Sang, Bretagne, France
³Molecular Diagnostics and Genetic Research Center, Hospital »Queen Geraldine«, Tirana, Albania
P017 SERUM PROCALCITONIN LEVELS IN PATIENTS WITH MENINGITIS: A COMPARISON WITH BLOOD LEUKOCYTE COUNT AND C-REACTIVE PROTEIN
Anila Beqja-Lika1, Anyla Bulo-Kasneci1, Etleva Refatllari1, Nevila Heta-Alliu1, Kleva Shpati3, Alma Barbullushi1, Anila Mitre2
1Clinical Chemistry Laboratory, University Hospital Center »Mother Teresa«, Tirana, Albania
2»Intermedica« Laboratory, Tirana, Albania
3»Albanian University«, Tirana, Albania

P018 DIAGNOSTIC ACCURACY OF SERUM PROCALCITONIN IN SEVERE BACTERIAL INFECTIONS
Anila Beqja-Lika1, Anyla Bulo-Kasneci1, Etleva Refatllari1, Nevila Heta-Alliu1, Irena Korita1, Iris Mone1, Alma Barbullushi1, Anila Mitre2, Arminda Mema3
1Clinical Chemistry Laboratory, University Hospital Center »Mother Teresa«, Tirana, Albania
2»Intermedica« Laboratory, Tirana, Albania
3»Polyclinic #4«, Tirana, Albania

P019 MEDICAL ERRORS OCCURRING IN A CARDIOLOGY CLINIC AND A PROPOSED STRATEGY FOR REDUCING THEM
Kleva Shpati, Afrim Tabaku
Albanian University, Tirana, Albania

P020 CHANGES IN RCB, HCB AND HCT OVER SIX MONTHS AFTER INITIATING ARV THERAPY AMONG PERSONS TREATED FOR HIV/AIDS
Rajmonda Kolpepaj1, Arjan Harxhi2, Sonela Xinxo3, Dorjana Xhaxha4
1University of Tirana, Faculty of Nursing, Tirana, Albania
2University Hospital Centre »Mother Teresa«, Tirana, Albania
3Institute of Public Health, Tirana, Albania
4Laboratory Department, University Hospital Centre »Mother Teresa«, Tirana, Albania

P021 DEMOGRAPHIC AND SOCIOECONOMIC CORRELATES OF ADIPOSE TISSUE ARACHIDONIC ACID IN THE ADULT POPULATION OF ALBANIA
Iris Mone1, Anyla Bulo-Kasneci1
1Clinical and Biochemistry Laboratory Service, Faculty of Medicine, Tirana University, Tirana, Albania

P022 DISTRIBUTION OF ADIPOSE TISSUE DOCOSAHEXAENOIC Acid: A POPULATION-BASED STUDY IN ALBANIA
Iris Mone1, Anyla Bulo-Kasneci1
1Clinical and Biochemistry Laboratory Service, Faculty of Medicine, Tirana University, Tirana, Albania
P023 ROMA CALCULATED VALUE AND ESTIMATION IN ENDOMETRIOSIS
A. Pashoski1, N. Cokrevska Zografska2
1PZU Albimini, Prilep, Macedonia
2CH Acibadem Sistina, Skopje, Macedonia

P024 PREVALENCE OF OSTEOPOROSIS IN THE CENTER OF HAEMOGLOBINOPATHY IN LUSHNJE
Jorida Zoga1, Etleva Refatllari1, A. Zaka, D. Llika, A. Allkanjari, B. Cullhaj
Center of Haemoglobinopathy Lushnje, Albania

P025 ANTIOXIDATIVE PROTECTION STATUS IN PATIENTS WITH AUTOIMMUNE DISEASES
Lilika Zvezdanović-Čelebić1, Vladan Čosić1, Slavica Kundalić1,
Dragana Stanković-Ferlež1, Jasna Lalić1, Vidosava Dorđević1
Centre of Medical Biochemistry, Clinical Centre Niš, Serbia

P026 BIOCHEMICAL EVALUATION OF DIABETIC PATIENTS ACCORDING TO THEIR GLYCAEMIC CONTROL
Irena Kostovska1, Svetlana Cekovska1, Ana Kocevska2,
Katerina Tosheska Trajkovska1
1Department of Medical and Experimental Biochemistry,
Medical faculty Skopje, Macedonia
2Special Hospital of Gynecology and Obstetrics »Mother Teresa« Skopje, Macedonia

P027 THE PREVALENCE OF RHEUMATOID FACTOR, CYCLIC CITRULLINATED PEPTIDE AND ANTINUCLEAR ANTIBODIES IN ALBANIAN PATIENTS WITH RHEUMATOID ARTHRITIS
M. Kurti, Z. Ylli, G. Sulcebe
Laboratory of Immunology and Histocompatibility,
University Hospital Center »Mother Teresa«, Tirana, Albania

P028 LIPOPROTEIN(A) AND ATHEROGENIC RISK RATIOS IN PATIENTS WITH CORONARY ARTERY DISEASE
Danica Labudović1, Sonja Alabakovska1, Katerina Toseska Trajkovska1,
Silvana Jovanova2
1Department of Medical and Experimental Biochemistry,
Medical Faculty, UKIM, Skopje Republic of Macedonia
2University Clinic of Cardiology, UKIM, Skopje, Macedonia

P029 NEONATAL THYROID SCREENING OF THE MACEDONIAN POPULATION DURING THE 2011
V. Anastasovska1, M. Kocova1,2
1Genetic Laboratory
2Department of Endocrinology and Genetics
1,2University Children’s Clinic, Skopje, Macedonia
V. Anastasovska¹, M. Kocova¹,²
¹Genetic Laboratory
²Department of Endocrinology and Genetics
University Children’s Clinic, Skopje, Macedonia

P031 LABORATORY PROFILE OF PRIMARY HYPERPARATHYROIDISM IN ALBANIA
Anila Mitre¹, M. Rumano², F. Toti³, B. Laze³, Enrieta Zeqiraj¹
¹Intermedica Laboratory
²Tirana University, Faculty of Natural Sciences, Department of Biology
³Tirana University, Faculty of Medicine, Department of Endocrinology, Albania

P032 MOLECULAR DETECTION AND SUBTYPING OF HUMAN PAPILLOMAVIRUS ON ALBANIAN WOMEN
Anila Mitre¹, Fjoralba Bakiri¹, Teuta Bare², Anila Xhani²,
Enrieta Zeqiraj¹, Rexhina Bajro²
¹Intermedica Laboratory
²University Hospital »Mbreteresha Geraldine«, Tirana, Albania

P033 EVALUATION OF INFLAMMATORY MARKERS IN ASPHYXIATED PREMATURE INFANTS
A. Sofijanova¹, O. Jordanova¹, K. Piperkova²
¹Department of Neonatal and Pediatric Intensive Care
²Department of Neonatology, University Children’s Hospital, Skopje, Macedonia

P034 S100 B PROTEIN AS A BIOLOGICAL MARKER FOR DETECTION OF BRAIN DISTRESS IN INTRAUTERINE GROWTH-RETARDED (IUGR) FETUSES, AND IN NEONATES BORN WITH NEUROLOGICAL DEFICIT
A. Sofijanova¹, O. Jordanova¹, K. Piperkova²
¹Department of Neonatal and Pediatric Intensive Care,
²Department of Neonatology
University Children’s Hospital, Skopje, Macedonia

P035 PROTEIN S100B AS A BIOLOGICAL MARKER FOR BRAIN INJURY IN ASPHYXIATED FULL-TERM NEWBORNS
A. Sofijanova¹, K. Piperkova², O. Jordanova³
¹Department of Neonatal and Pediatric Intensive Care
²Department of Neonatology
³Medical University Skopje
University Children’s Hospital, Skopje, Macedonia
P036 CHANGES IN THE COAGULATION STATUS DURING NORMAL PREGNANCY – OUR EXPERIENCE
V. Dejanova, J. Vitlarova, N. Kamcev
Department of Transfusiology, Medical Center – Stip, Macedonia

P037 BENEFICIAL EFFECTS OF CARNOSONE IN THE EXPERIMENTAL ISCHEMIA/REPERFUSION INJURY IN TESTIS
Latif Abbasoğlu1, Semra Doğru-Abbasoğlu2, Esra Betul Kalaz2, Merva Soluk-Tekkesin3, Vakur Olgac2, Mujdat Uysal2
1Department of Pediatric Surgery, Acıbadem University Medical Faculty, İstanbul, Turkey
2Department of Biochemistry, Istanbul Faculty of Medicine, Istanbul University, Istanbul, Turkey
3Department of Pathology, Oncology Institute, Istanbul University, Istanbul, Turkey

P038 HIPERHOMOCYSTEINEMIA AND THE STAGE OF CORONARY ARTERY DISEASE
Marija Krstevska1, Nenad Zlatanović2, Gordana Bosilkova1, Sonja Alabakovska1
1Department of Medical and Experimental Biochemistry, University »Ss Cyril and Methodius«, Medical School, Skopje, Macedonia
2Institute of Cardiology, University »Ss Cyril and Methodius«, Medical School Skopje, Macedonia

P039 MODERATE HYPERHOMOCYSTEINEMIA IN HEALTHY MACEDONIAN POPULATION SAMPLE
Gordana Bosilkova, Marija Krstevska
Medical Faculty, »St. Kiril and Metodij« University, Skopje, Macedonia

P040 THE EFFECTS OF ORAL CONTRACEPTIVES ON HAEMOSTATIC PARAMETERS IN A GROUP OF ALBANIAN WOMEN
E. Ibrahimi1, M. Koni1, A. Prifti2, A. Mitre2
1University of Tirana, Faculty of Natural Science,
2Department of Biology Biocheck Diagnostic Center, Tirana, Albania

P041 IRON AND ZINC STATUS OF LACTATING MOTHERS AND THEIR INFANTS
Tülün Aysė Özden1, Gülbin Gökcay2, Özlem Durmaz3, Beyhan Ömer4, Semra Şökücü2, Halim İşsever2, Güney Şaner2
1Istanbul University, Istanbul School of Medicine, Department of Pediatric Gastroenterology, Trace Element Unit, 34390, Çapa/Istanbul, Turkey
2Istanbul University, Institute of Child Health and Istanbul School of Medicine Department of Pediatrics, 34390, Çapa/Istanbul, Turkey
P042 THE RELATIONSHIP BETWEEN HLA-G LEVELS AND OXIDATIVE STRESS PARAMETERS IN PATIENTS WITH BREAST CANCER
Nedret Kılıç, Sema Bozalıoğlu, Zuhal Yıldırım, Bilkay Basturk, Osman Kurukahveci
Medical Faculty, University of Gazi, Ankara, Turkey

P043 VITAMIN E INFLUENCE ON AGE- AND HEAT EXPOSURE-DEPENDENT INFLAMMATION IN WISTAR RAT
Sandra Kosteska, Icko Gjorgoski, Mitko Mladenov, Nikola Hadzi-Petrushev
Faculty of Natural Sciences and Mathematics, Institute of Biology, »Ss Cyril and Methodius« University, Skopje, Macedonia

P044 CHANGES IN SALIVARY FLOW AND COMPOSITION IN HEMODIALYSIS PATIENTS
Ana Belazelkovska 1, Mirjana Popovska 1, Svetlana Cekovska 2, Kristina Mitić 1
1Faculty of Dentistry, »Ss. Cyril and Methodius« University, Skopje, Macedonia
2Department of Medical and Experimental Biochemistry, Medical Faculty, »Ss. Cyril and Methodius« University, Skopje, Macedonia

P045 RELATION BETWEEN SALIVARY AND BLOOD LEVELS OF RENAL BIOMARKERS IN PATIENTS UNDERGOING RENAL REPLACEMENT THERAPY
Ana Belazelkovska 1, Mirjana Popovska 1, Svetlana Cekovska 2, Kristina Mitić 1
1Faculty of Dentistry, »Ss. Cyril and Methodius« University, Skopje, Macedonia
2Department of Medical and Experimental Biochemistry, Medical Faculty Medicine, »Ss. Cyril and Methodius« University, Skopje, Macedonia

P046 PHAST SYSTEM SDS-PAG ELECTROPHORETIC PROFILES OF THE URINARY PROTEINS IN HEALTHY NORMOTENSIVE NON-PREGNANT AND PREGNANT WOMEN
Svetlana Cekovska 1, Petar Korneti 1, Jadranka Georgievska 2
1Department of Medical and Experimental Biochemistry, Medical Faculty, »Ss. Cyril and Methodius« University, Skopje, Macedonia
2University Clinic of Gynaecology and Obstetrics, Medical Faculty, »Ss. Cyril and Methodius« University, Skopje, Macedonia
P047 HYPERCHOLESTEROLEMIA IN FEMALE AND MALE POPULATION IN MACEDONIA
Maja Stamkova1, Jasmina Salovska2, Icko Gjorgoski3, Jasmina Mecheska-Jovchevska4
«St. Cyril and Methodius», University, Skopje, Macedonia
1Biochemical Laboratory, Health Centre, Gevgelija, Macedonia
2Faculty of Natural Sciences, Institute of Biology, Skopje, Macedonia
3University Clinic, Department of Clinical Biochemistry, Skopje, Macedonia

P048 USEFULNESS OF BIOCHEMICAL ANALYSES FOR CONTROL OF ORAL THERAPY IN DIABETES MELLITUS TYPE 2
Suzana Lazarovska1, Tonkica Petrovska1, Snezhana Efremova-Aaron2
1Public Health Institution »Health House« – Delcevo, Public Health Institution »Health House« – Pehcevo, Macedonia
2Department of Medical and Experimental Biochemistry, Medical Faculty of Skopje, Macedonia

P049 INCIDENCE OF HYPERHOMOCYSTEINEMIA AMONG PATIENTS WITH ACUTE CHEST PAIN
Nadica Kostić
Biochemistry Laboratory, Health Care Center Kruševac, Serbia

P050 BIOLUMINESCENCE METHOD FOR DETERMINATION OF ADENOSINE TRIPHOSPHATE CONCENTRATION IN PATIENTS WITH LEUKEMIAS
Julijana Brezovska Kavrakova, Marija Gjerakaroska
Department of ME Biochemistry, Medical Faculty, Skopje, Macedonia

P051 CLINICAL SIGNIFICANCE OF HS-CRP IN CARDIOVASCULAR DISEASES
Jovanka Tuteska1, Velimir Stojkovski2, Mila Arapceska3, Zlatko Lozanovski3, Ajrie Sinanoska1
1Medical Nursing College, »St. Kliment Ohridski« University, Bitola, Macedonia
2Faculty of Veterinary Medicine, »Ss. Cyril and Methodius« University, Skopje, Macedonia
3Faculty of Biotechnical Sciences, »St. Kliment Ohridski« University, Bitola, Macedonia
P052 CORRELATION OF CONCENTRATION OF TUMOR MARKERS CEA AND CA 19-9 IN BENIGN AND MALIGN DISEASES
Jovanka Tuteska¹, Velimir Stojkovski², Mila Arapceska³, Zlatko Lozanovski¹, Elizabet Gorgieska¹
¹Medical Nursing College, »St. Kliment Ohridski« University, Bitola, Macedonia
²Faculty of Veterinary Medicine, »Ss. Cyril and Methodius« University, Skopje, Macedonia
³Faculty of Biotechnical Sciences, »St. Kliment Ohridski« University, Bitola, Macedonia

P053 PROLACTIN AND TESTOSTERONE LEVELS IN FEMALE INFERTILITY
Jovanka Tuteska¹, Velimir Stojkovski², Mila Arapceska³, Zlatko Lozanovski¹, Dijana Boceska¹
¹Medical Nursing College, »St. Kliment Ohridski« University, Bitola, Macedonia
²Faculty of Veterinary Medicine, »Ss. Cyril and Methodius« University, Skopje, Macedonia
³Faculty of Biotechnical Sciences, »St. Kliment Ohridski« University, Bitola, Macedonia

P054 EFFECTS OF TEUCRIUM POLIUM AERIAL PARTS EXTRACT ON ORAL GLUCOSE TOLERANCE TESTS AND PANCREAS HISTOPATHOLOGY IN STREPTOZOCIN-INDUCED DIABETIC RATS
Durdi Qujeq¹,², Mohsen Tatar², Farideh Feizi³, Hadi Parsian¹,², Alieh Sohan Faraji³, Sohrab Halalkhor¹,²
¹Cellular and Molecular Biology Research Center (CMBRC), Babol University of Medical Sciences, Babol, Iran
²Department of Biochemistry & Biophysics, Faculty of Medicine, Babol University of Medical Sciences, Babol, Iran
³Department of Anatomical Sciences, Faculty of Medicine, Babol University of Medical Sciences, Babol, Iran

P055 ANEMIA DURING PREGNANCY
Danche Kolarovska, Tashe Trpchevski, Marija Klashevskva
Women’s Hospital for Obstetrics & Gynecology IVF & Infertility Centre for Assisted Human Reproduction »Plodnost« Bitola, Macedonia

P056 ANTIOXIDANT EFFECTS OF BARBERRY FRUIT EXTRACTS
Durdi Qujeq¹,², Solmaz Kamei²
¹Cellular and Molecular Biology Research Center (CMBRC), Babol University of Medical Sciences, Babol, Iran
²Department of Biochemistry and Biophysics, Babol University of Medical Sciences, Faculty of Medicine, Babol, Iran
P057 GENDER-RELATED DIFFERENCES IN DISTRIBUTION OF FACTOR V LEIDEN, FACTOR II G20210A, MTHFR C677T AND MTHFR A1298C MUTATIONS AMONG PATIENTS WITH THROMBOPHILIA
Andelo Beletić¹, Valentina Đorđević², Ivana Canić³, Tina Kocić³, Ilija Kuzmanović³, Milka Golubović¹, Duško Mirković⁴, Dragica Radojković², Nada Majkić-Singh⁴
¹Center for Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia
³Clinic of Vascular and Endovascular Surgery, Clinical Center of Serbia, Belgrade, Serbia
⁴Center for Medical Biochemistry, Clinical Center of Serbia and Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia

P058 RELATIONSHIP BETWEEN THE ELEVATED LIVER ENZYME LEVELS, SERUM ALBUMIN AND C- REACTIVE PROTEIN LEVEL IN DECOMPENSATED LIVER CIRRHOSIS
Jelica Đorđević¹, Mirjana Stojković², Milica Stojković², S. Dragašević², S. Momirović²
¹Center of Medical Biochemistry
²Clinical Center of Serbia, Clinic for Gastroenterology Clinical Center of Serbia, Belgrade, Serbia

P059 HYPERGLYCEMIA AND HYPOGLYCEMIA AMONG FEMALE AND MALE POPULATION IN MACEDONIA
Jasmina Salovska¹, Maja Stamkova², Icko Gjorgoski³, Jasmina Mecheska-Jovchevska⁴
¹University »St. Cyril and Methodius«, Skopje, Macedonia
²Biochemical Laboratory, Health Centre, Gevgelija, Macedonia
³Natural Sciences and Mathematics, Institute of Biology, Skopje, Macedonia
⁴University Clinic of Clinical Biochemistry, Skopje, Macedonia

P060 FERRITIN AND LIPOPROTEIN STATUS: ESRD PATIENTS VERSUS VOLUNTARY BLOOD Donors
Radivoj Jadrić¹, E. Kiseljaković¹, S. Hasić¹, J. Ćorić²
¹Department for Medical Biochemistry, Medical Faculty, University of Sarajevo
²Clinical Chemistry and Biochemistry, Clinical Centre, University of Sarajevo
P061 THE EFFECT OF OUABAIN ON MITOCHONDRIAL DNA DAMAGE IN HEPG2 CELL LINE
Rukiye Nar1, Abdülkerim Bedir2, Hasan Alaçam2, Veli Kılınç2, Bahattin Avci2, Osman Şalıș3, Sedat Gülten2
1Aksaray State Hospital, Aksaray, Turkey
2Ondokuz Mayis University, Faculty of Medicine, Department of Medical Biochemistry, Samsun, Turkey
3Mental Health and Diseases Hospital, Samsun, Turkey

P062 BIOACCUMULATION OF PERFLUOROOCTANE SULFONATE IN THE MOUSE LIVER
Jasna Bogdanska1, M. Sundström2, M. Abedi Valugerdi1, Å. Bergman2, B. Nelson2, J. DePierre1, S. Nobel1
1Department of Biochemistry and Biophysics, Stockholm University,
2Environmental Chemistry Unit, Department of Materials and Environmental Chemistry, Stockholm University

P063 SERUM LEVEL OF C-REACTIVE PROTEIN IN PATIENTS WITH THE CHRONIC RENAL INSUFFICIENCY
Zulijana Vojnovska1, Lence Mirchevska2, Dance Kolarovska3
Laboratory of Biochemistry, Clinical Hospital Bitola, Republic of Macedonia

P064 INFLUENCE OF L-CARNITINE ON MUSCLE METABOLISM IN THE ATHLETES
Milutin Radonjić1, Danica Popović1,2
1Faculty of Natural Sciences and Mathematics, University of Podgorica, Montenegro
2Special Hospital »Codra«, Podgorica, Montenegro

P065 LIPOPROTEIN LP(A) AND OTHER LIPOPROTEIN PARTICLES IN PATIENTS WITH THE ISCHAEMIC HEART DISEASE
Slavica Kundalić1, Braca Kundalić2, Vladan Ćosić1, Lilika Zvezdanović1, Draga Stanković-Ferle1, Tanja Đorđević1, Sneana Madić1, Mirjana Stanojković1, Vidosava B. Đorđević1,2
1Center of Medical Biochemistry, Clinical Centre Niš, Serbia
2Faculty of Medicine, University of Niš, Serbia
POSTERS PRESENTATIONS ON FRIDAY, 21st September

Chairs:  
Sanja Stanković (Serbia)  
Vladan Ćosić (Serbia)

P066  THE EFFECT OF VITAMIN D3 IN STREPTOZOTOCIN-INDUCED DIABETES  
Humeyra Çiçekler1, Said Sami Erdem2  
1Zonguldak Atatürk State Hospital, Department of Biochemistry, Zonguldak, Turkey  
2Konya Training Research Hospital, Department of Biochemistry, Konya, Turkey

P067  THE EFFECT OF VITAMIN D3 ON SERUM PARAOXONASE ACTIVITIES IN STREPTOZOTOCIN-INDUCED DIABETES  
Humeyra Çiçekler1, Said Sami Erdem2  
1Zonguldak Atatürk State Hospital, Department of Biochemistry, Zonguldak, Turkey  
2Konya Training Research Hospital, Department of Biochemistry, Konya, Turkey

P068  INVESTIGATION OF THE VITAMIN D3 EFFECT ON THE LEVELS OF OSTEOPROTEGERIN(OPG) AND RECEPTOR ACTIVATOR OF NUCLEAR FACTOR KAPPA-B LIGAND (RANKL) IN STREPTOZOTOCIN-INDUCED DIABETES  
Humeyra Çiçekler1, Said Sami Erdem2, Ekrem Erbay3, Sibel Döşeyici4, Fatma Hümeýra Yerlikaya3  
1Zonguldak Atatürk State Hospital, Department of Biochemistry, Zonguldak, Turkey  
2Konya Training Research Hospital, Department of Biochemistry, Konya, Turkey  
3University of Necmettin Erbakan, Meram Faculty of Medicine, Department of Emergency Medicine, Konya, Turkey  
4Sivas State Hospital, Department of Biochemistry, Turkey

P069  DIAGNOSTIC VALUE OF THE SERUM MALONDIALDEHYDE LEVELS IN SPECIFIC AND NON-SPECIFIC ABDOMINAL PAIN  
Esma Erdemir1, A. Sadık Girisgin2, Humeyra Çiçekler3, Başar Cander4  
1,2,4University of Necmettin Erbakan, Meram Faculty of Medicine, Department of Emergency Medicine, Konya, Turkey  
3Zonguldak Atatürk State Hospital, Department of Biochemistry, Zonguldak, Turkey
P070 EFFECT OF TUBERCULOSTATIC ON ANTIOXIDANT ENZYMES AND THIOBARBITURIC ACID-REACTIVE SUBSTANCE IN PATIENTS WITH THE PULMONARY TUBERCULOSIS
Vladan Ćosić, Lilika Zvezdanović, Tatjana Ristić, Slavica Kundalić, Vidosava Đorđević
Center for Medical Biochemistry, Clinical Center Niš

P071 INSULIN RESISTANCE IS ASSOCIATED WITH NONALCOHOLIC FATTY LIVER DISEASE AND METABOLIC SYNDROME IN THE OBESE SUBJECTS
Bledar Kraja, Iris Mone, Fatjona Pupuleku, Ilda Kullolli, Adriana Babameto, Skerdi Prifti, Bashkim Resuli
University Hospital Center Mother Theresa, Tirana, Albania

P072 VITAMIN D CONCENTRATIONS IN HEALTHY YOUNG WOMEN IN SARAJEVO
Jozo Ćorić1, Radivoj Jadrić2, Mirsad Panjeta1, Elma Kučukalić1
1Department of Clinical Chemistry, Clinical Center of Sarajevo
University, Sarajevo, Bosnia and Herzegovina
2Department of Biochemistry, School of Medicine, Sarajevo, Bosnia and Herzegovina

P073 COMPARISON OF PROTEIN VALUES IN DIFFERENT URINE SAMPLES
Marijana Dajak1, Sanja Lalić1, Svetlana Ignjatović2, Biljana Stojimirović3, Nada Majkić-Singh2
1Center of Medical Biochemistry, Clinical Center of Serbia
2Department of Biochemistry, Clinical Center of Serbia and School of Pharmacy
3Center of Urology and Nephrology, Clinical Center of Serbia and School of Medicine, Belgrade, Serbia

P074 CORRELATION OF THE HEART TYPE FATTY ACID BINDING PROTEIN AND MYOGLOBIN SERUM LEVELS IN RAT MODEL OF MYOCARDIAL DAMAGE
Sabaheta Hasić, Emina Kiseljaković, Radivoj Jadrić
Department for Medical Biochemistry, Faculty of Medicine, University of Sarajevo, Bosnia and Herzegovina

P075 CHOLESTERYL ESTER TRANSFER PROTEIN, LOW DENSITY LIPOPROTEIN PARTICLE SIZE AND INTIMA MEDIA THICKNESS IN PATIENTS WITH THE CORONARY HEART DISEASE
Katerina Tosheska1, Danica Labudović1, Silvana Jovanova2, Branko Jaglukovski3, Sonja Alabakovska1
1Department of Medical and Experimental Biochemistry, Medical Faculty, University »Ss Cyril and Methodius«, Skopje, Macedonia
2University Cardiology Clinic, Medical Faculty, Skopje, Macedonia
3AVICENA Laboratory, Skopje, Macedonia
P076 PROTHROMBOTIC STATES IN YOUNG STROKE PATIENTS
Ilirjana Zekja, S. Mijo, E. Konda, S. Grabova, J. Kruja
University Hospital Center, Service of Neurology, Tirana, Albania

P077 ESTRADIOL LEVEL AS A PREDICTOR AND HCG AS CONFIRMATION OF THE SUCCESS IN IVF INDUCTION CYCLES
Lidija Veljanoska¹, Zoranco Petanovski², Valentina Sotiroska³, Birol Aydin⁴, Damjan Suslevski⁵, Stefan Saltirovski⁶, Vladimir Matevski⁷, Gligor Dimitrov⁸, Makuli Hadzi Lega⁹, Snezana Stojkovska¹⁰
General Hospital »ReMedika«, Skopje, Macedonia

P078 THE EFFECT OF CPAP ON CORTISOL AND MELATONIN IN HYPERTENSIVE PATIENTS WITH OSAS
N. Kartali, S. Klimi, S. Douma, E. Daskalopoulou, S. Vakaloudi, A. Koteli
Scholarship from IKY (State Scholarship Foundation) Thessaloniki, Greece

P079 THE EFFECT OF CPAP ON C-PEPTIDE AND INSULIN LEVELS IN PATIENTS WITH THE OSAS
Anastasia Vakaloudi¹, N. Kartali¹, S. Mavridou⁴, V. Paschidou⁴, S. Douma², E. Vlachogiannis³, A. Koteli⁴
¹Scholarship from IKY (State Scholarship Foundation)
²B Propaideutic Clinic Aristoteles University of Thessaloniki, Ippokratio General Hospital
³Pathologic Clinic
⁴Biopathology Laboratory, Ag. Pavlos Hospital, Thessaloniki, Greece

P080 GALLSTONES SECTIONS – MORPHOLOGICAL FEATURES AND CHEMICAL COMPOSITION
I. Temelkov¹, J. Jakupi², D. Trajkova¹, M. Stamkova, S. Karakabakova¹, J. Temelkov¹
¹Public Health Institution »Health Center« – Gevgelija
²General Hospital – Gostivar, Macedonia

P081 EPIDEMIOLOGICAL AND MYCOLOGICAL ASPECTS OF VVC
Xhaxha J. Doriana, Gjylameti Najada
Department of Laboratory, UHC »Mother Tereza«, Tirana, Albania

P082 HEMOSTASIS MARKERS IN NEONATAL SEPSIS
Daniela Bartolović, Aleksandra Stojićević, Sanja Stanković, Svetlana Ignjatović, Dragana Vukosavljević
Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
P083 DETERMINATION OF THE LENGTH OF SEDIMENTATION REACTION IN BLOOD USING MICRO-SEDIMENTATION METHOD: COMPARISON WITH THE WESTGREEN METHOD
Milka Golubović, Sanja Stanković, Dragana Baćković, Nada Majkić-Singh
Center for Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia

P084 SOLUBLE CD154 LIGAND LEVELS IN SMOKING PATIENTS WITH THE ACUTE MYOCARDIAL INFARCTION
Katarina Đorđević¹, Sanja Stanković¹, Milika Ašanin²,
Nada Majkić-Singh¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Clinic for Cardiology, Clinical Center of Serbia, Belgrade, Serbia

P085 PROCALCITONIN LEVELS IN PATIENTS WITH THE ACUTE PANCREATITIS
Bojana Lugić¹, Pavle Gregorić², Sanja Stanković¹, Milica Gajović¹,
Nada Majkić-Singh¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Emergency Center, Clinical Center of Serbia, Belgrade, Serbia

P086 INTERLEUKIN 5 LEVELS IN THE ACUTE PANCREATITIS
Ivana Jorgačević¹, Sanja Stanković¹, Pavle Gregorić²,
Nada Majkić-Singh¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Emergency Center, Clinical Center of Serbia, Belgrade, Serbia

P087 IS THERE AN ASSOCIATION OF THE INSULIN LEVELS AND IN-HOSPITAL MORTALITY IN PATIENTS WITH ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION TREATED BY PRIMARY PERCUTANEOUS CORONARY INTERVENTION?
Olja Gabrić¹, Sanja Stanković¹, Milika Ašanin², Aleksandra Stojićević¹,
Nada Majkić-Singh¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Clinic for Cardiology, Clinical Center of Serbia, Belgrade, Serbia

P088 THE EFFECT OF PRIMARY PERCUTANEOUS CORONARY INTERVENTION LIPOPROTEIN-ASSOCIATED PHOSPHOLIPASE A2 LEVELS IN PATIENTS WITH THE ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION
Suzana Đurić¹, Sanja Stanković¹, Danijela Trifunović², Milika Ašanin²,
Aleksandar Miljković¹, Nada Majkić-Singh¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Clinic for Cardiology, Clinical Center of Serbia, Belgrade, Serbia
P089 TIME DEPENDENT CHANGES OF B-TYPE NATRIURETIC PEPTIDE AND N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE IN RELATION TO IN-HOSPITAL MORTALITY IN PATIENTS WITH THE ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION TREATED BY THROMBOLITIC THERAPY
Nada Marković, Aleksandra Stojićević, Sanja Stanković, Nada Majkić-Singh
Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia

P090 FIBRINOLYTIC AND INFLAMMATION MARKERS IN YOUNG PATIENTS WITH THE ACUTE MYOCARDIAL INFARCTION
Vera Stjepanović¹, Nebojša Antonijević², Dragana Vukosavljević¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Clinic for Cardiology, Clinical Center of Serbia, Belgrade, Serbia

P091 PROGNOSTIC IMPACT OF LABORATORY MARKERS ON PERI-PROCEDURAL BLEEDING AMONG PATIENTS UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION
Dragana Vukosavljević¹, Nebojša Antonijević², Vera Stjepanović¹, Anica Đorđević¹, Ivana Vujošević¹
¹Center of Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
²Institute of Cardiovascular Diseases, Clinical Center of Serbia, Belgrade, Serbia

P092 CORRELATION COEFFICIENT OF CA 19-9 MEASURED WITH THE IMMUNOFLUORESCENCE AND ELISA METHOD AND ITS REFERENCE VALUES
Majlinda Kallco¹, J. Zoga³, E. Kone², Xh. Ceka², A. Nake², E. Demiraj¹, G. Dedja², R. Kolpepaj, G. Dedja²
¹Laboratory of Clinical Biochemistry, Durres Hospital
²Department of Morphology, Faculty of Medicine
³Laboratory of Hemoglobinopathies Center, Lushnje

P093 EFFECTS OF RADIATION ON ADMA AND SDMA LEVELS IN SERUM OF VITAMIN D ADMINISTERED RATS
Aysel Aricioglu¹, Erdem Kahraman², Muge Akmansu², Ahmet Cumaoglu¹
¹Department of Biochemistry, Medical Faculty, University of Gazi, Ankara, Turkey
²Department of Radiation Oncology, Medical Faculty, University of Gazi, Ankara, Turkey
P094 THE ASSOCIATION OF TOTAL SIALIC ACID LEVELS WITH MALONDIALDEHYDE LEVELS AND METABOLIC AND ANTHROPOMETRIC VARIABLES IN OBESE PEOPLE
Fatma Hümeyra Yerlikaya¹, Aysun Toker², Hümeysa Çiçekler³, Alpay Aribas
¹University of N. Erbakan, Meram Faculty of Medicine, Department of Biochemistry, Konya, Turkey
²Zonguldak Atatürk State Hospital, Department of Biochemistry, Zonguldak, Turkey
³University of N. Erbakan, Meram Faculty of Medicine, Department of Cardiology, Konya, Turkey

P095 SERUM RETINOIC ACID, ALPHA-TOCOPHEROL, SIALIC ACID AND MALONDIALDEHYDE LEVELS IN RATS ARE AFFECTED BY ACRYLAMIDE EXPOSURE THROUGH DRINKING WATER
Yesim Yener¹, Fatma Hümeyra Yerlikaya², Aysun Toker²
¹University of N. Erbakan, Faculty of Education, Department of Biology Education, Konya, Turkey
²University of N. Erbakan, Meram Faculty of Medicine, Department of Biochemistry, Konya, Turkey

P096 EVALUATION OF SOME RENAL FUNCTION PARAMETERS IN RATS TREATED WITH ACRYLAMIDE
Yesim Yener¹, Fatma Hümeyra Yerlikaya², Aysun Toker²
¹University of N. Erbakan, Faculty of Education, Department of Biology Education, Konya, Turkey
²University of N. Erbakan, Meram Faculty of Medicine, Department of Biochemistry, Konya, Turkey

P097 FLOW CYTOMETRY IMMUNOPHENOTYPING IN DIAGNOSIS OF MYELODYSPLASTIC SYNDROME
Valentina Semanaj¹, Adela Perolla², Teuta Curaj¹, Genc Sulcebe¹
¹Laboratory of Immunology and Histocompatibility
²Department of Hematology, University Hospital Center »Mother Teresa«, Tirana

P098 INFLUENCE OF HOMOCYSTEINE ON LIPID PROFILE IN HEMODIALYSIS PATIENTS
Emina Kiseljakovic¹, Sabaheta Hasic¹, Radivoj Jadric¹, Halima Resic²
¹Department of Medical Biochemistry, Faculty of Medicine, University of Sarajevo, Bosnia and Herzegovina
²Clinic of Hemodialysis, Clinical Center, University of Sarajevo, Bosnia and Herzegovina
P099 VITAMIN D STATUS IN PATIENTS WITH THE ALCOHOLIC LIVER CIRRHOSIS
Duško Mirković1, Đorđe Ćulafić2, Andelo Beletić1, Tijana Krmjeta1, Svetlana Ignjatović1
1Centre of Medical Biochemistry, Clinical Centre of Serbia, Faculty of Pharmacy, University of Belgrade, Serbia
2Clinic of Gastroenterology, Clinical Centre of Serbia, Faculty of Medicine, University of Belgrade, Serbia

P100 SERUM AND SALIVA LEVELS OF ISCHEMIA-MODIFIED ALBUMIN IN PATIENTS WITH THE ACUTE MYOCARDIAL INFARCTION
Aysun Toker1, Alpay Aribas2, Fatma Humeyra Yerlikaya1, Erkan Tasyurek1, Kürrsat Akbuga2
1Department of Biochemistry
2Department of Cardiology, Necmettin Erbakan University Meram Faculty of Medicine

P101 SERUM HOMOCYSTEINE, ARGinine, CITRULLINE AND ASYMMETRIC DIMETHYL ARGinine LEVELS IN RATS EXPOSED TO ACRYlamide
Aysun Toker1, Fatma Humeyra Yerlikaya1, Yesim Yener2
1University of N. Erbakan, Meram Faculty of Medicine, Department of Biochemistry, Konya, Turkey
2University of N. Erbakan, Faculty of Education, Department of Biology Education, Konya, Turkey

P102 DETECTION OF IRON DEFICIENCY ANEMIA IN BLOOD DONORS IN RC FOR TRANSFUSION MEDICINE AT THE GENERAL HOSPITAL IN STIP
Jordanka Vitlarova1, B. Cuckova2 A. Petruseva2, M. Jovanova3, V. Dejanova3, N. Vitlarov3, M. Sorova3
1ITM-R.C. for Transfusion Medicine, General Hospital, Stip, Macedonia
2Central Biochemical Laboratory, General Hospital, Stip, Macedonia
3ITM-R.C. for Transfusion Medicine, General Hospital, Stip, Macedonia

P103 EFFECT OF HESPERETIN ON MCF–7 BREAST CANCER CELL LINE
Bahadir Ozturk1, Gulsum Tekin1, E. Nedime Korucu1, Ali Unlu1
1Selcuklu Medical Faculty, University of Selcuk, Turkey
P104 ENZYMATIC DEBRIDEMENT OF NECROTIZING PANCREATITIS
Murat Çakır¹, Ahmet Tekin¹, Tevfik Kükükkartallar¹, Hüsamettin Vatansev², Hüseyin Yılmaz³, H. Hasan Esen⁴, Adil Kartal¹
¹University of Necmettin Erbakan, Meram Medical Faculty, Department of General Surgery
²Selçuklu Medical Faculty, University of Selçuk, Department of Biochemistry
³Department of General Surgery, Konya, Turkey
⁴Department of Pathology

P105 ETIOLOGIC STRUCTURE OF PATHOGENIC ORGANISMS ISOLATED FROM SURGICAL WOUND INFECTIONS IN THE SURGERY WARD OF THE UNIVERSITY HOSPITAL CENTER IN TIRANA (ALBANIA)
Andi Koraqi¹, D. Lacej¹, A. Beqiri²
¹Clinical Microbiology, University of Tirana, Faculty of Medicine and University Hospital Center, Tirana, Albania
²Surgery Department, University of Tirana, Faculty of Medicine and University Hospital Center, Tirana, Albania

P106 DEFINITION OF ANTIBIOTICS RESISTANCE FREQUENCY AMONG SALMONELLA SPP AS BACTERIAL ZOO NTOIC INFECTIONS AT THE »MOTHER TERESA« UNIVERSITY HOSPITAL CENTER IN TIRANA DURING THE YEARS 2000–2010
Lacej Denada², Koraqi Andi¹,²
¹University of Tirana, Faculty of Medicine
²Clinical Microbiology Laboratory of the University Hospital Center »Mother Teresa«, Tirana, Albania

P107 ASSOCIATION OF KIR GENES WITH DEVELOPMENT OF HEPATOCELULAR CARCINOMA IN PATIENTS WITH HEPATITIS C VIRUS INFECTION
Ozlem Goruroğlu Ozturk¹, Oguz Uskudar², Abdullah Tuli¹, Esin Damla Ziyanoğlu Karacor³, Hikmet Akkiz²
¹Cukurova University, Faculty of Medicine, Department of Clinical Biochemistry, Adana, Turkey
²Cukurova University, Faculty of Medicine, Department of Gastroenterology, Adana, Turkey

P108 ENTEROBACTER INFECTIONS IN »MOTHER TERESA« UNIVERSITY HOSPITAL IN TIRANA
Vasilika Mano
Microbiology Laboratory »Mother Teresa« Hospital, Tirana, Albania
P109 SERUM PARAOXONASE, TOTAL ANTIOXIDANT STATUS, ISCHEMIA-MODIFIED ALBUMIN AND TOTAL OXIDANT STATUS LEVELS IN PREDIABETES AND DIABETES
Said Sami Erdem¹, Aysun Toker², Mehmet Kayrak³, Hümeysra Çiçekler⁴, GÜlsüm Gönülalan⁵, Tunyan Abdulhalikov³, Fâtma Hümeysra Yerlikaya², Ahmet Kaya⁵
¹Department of Biochemistry, Konya Training Research Hospital, Konya, Turkey
²Department of Biochemistry, Meram Faculty of Medicine, University of Selcuk, Konya, Turkey
³Department of Cardiology, Meram Faculty of Medicine, University of Selcuk, Konya, Turkey
⁴Department of Biochemistry, Zonguldak Atatürk State Hospital, Zonguldak, Turkey
⁵Department of Internal Medicine, Division of Endocrinology, Meram Faculty of Medicine, University of Selcuk, Konya, Turkey

P110 EFFECT OF CONSUMING ZINC-FORTIFIED BREAD ON SERUM ZINC AND IRON STATUS IN ZINC-DEFICIENT WOMEN
Akbar Badii¹, Nilofar Nekoei², Mohammad Fazilati², Mohammad Shahedi², Sajjad Badiei³
¹Department of Clinical Biochemistry, School of Pharmacy, Isfahan University of Medical Sciences, Isfahan, Iran
²Department of Food Sciences and Technology, School of Agriculture, Isfahan University of Technology, Isfahan, Iran
³School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

P111 THE IMPACT OF THE GHRD3(-)/D3(+) AND TCF7L2 GENE VARIANTS ON THE INSULIN DISPOSITION INDEX
Abbasali Palizban¹, Zahra Tolou-Ghamari²
¹Department of Clinical Biochemistry, School of Pharmacy & Pharmaceutical Sciences, Isfahan University of Medical Sciences, Isfahan, I. R. Iran
²Isfahan Neuroscience Research Centre, Faculty of Medicine, Isfahan University of Medical Sciences, Isfahan I. R. Iran

P112 TOTAL ANTIOXIDANTS IN THE PLASMA OF HEMODIALYSED PATIENTS AND HEALTHY CONTROLS AS MEASURED BY TWO COMMERCIAL ASSAYS
Tatjana Ruskovska¹, Eugène Jansen²
¹Faculty of Medical Sciences, Goce Delcev University, Stip, Macedonia
²National Institute for Public Health and the Environment, Bilthoven, the Netherlands
P113 TOTAL PSA, DIGITAL RECTAL EXAMINATION, ULTRASONOGRAPHY, AND PSA DENSITY AS CRITERIA FOR A PROSTATE BIOPSY REQUEST
Tatjana Ruskovska¹, Bobi Stojanovski², Viktorija Maksimova¹, Nevenka Velickova¹, Nikola Kamcev¹
¹Faculty of Medical Sciences, Goce Delcev University, Stip, Macedonia
²University Surgery Clinic St. Naum Ohridski, Skopje, Macedonia

Mirjana Grozdovska-Naumoska
PHI University Clinic for Clinical Biochemistry, Skopje, Macedonia

P115 THE VALUE OF DETERMINING THE NUMBER OF LEUKOCYTES AND THEIR KIND IN CEREBROSPINAL FLUID (CSF) AS SUPPORT FOR THE RAPID AND DIFFERENTIAL DIAGNOSIS OF CNS INFECTIONS
Majlinda Kokici¹, Elsa Kone¹, Dhimitër Kraja², Ndok Marku³
¹Morphology Department, Medical Faculty, University of Tirana, Albania
²Infectious Diseases Department, Medical Faculty, University of Tirana, Albania
³Laboratory Department, Medical Faculty, University of Tirana, Albania

P116 DETERMINATION OF ETIOLOGIC STRUCTURE AND ANTIBIOTIC RESISTANCE FREQUENCY OF DIFFERENT SPECIMENS AT A PRIVATE PRACTICE IN TIRANA
Koraqi Andi¹, Lacej Denada², Blerta Kika³
¹Faculty of Medicine, University of Tirana
²Clinical Microbiology Laboratory, University Hospital Center »Mother Teresa«, Tirana, Albania
³Institute of Public Health, Tirana, Albania

P117 DETERMINATION OF ETIOLOGIC STRUCTURE AND ANTIBIOTIC RESISTANCE FREQUENCY OF DIFFERENT SPECIMENS AT THE REGIONAL HOSPITAL OF VLORA
Majlinda Zahaj⁴, Lacej Denada², Koraqi Andi¹, Blerta Kika³
¹Faculty of Medicine University of Tirana, Tirana, Albania
²Clinical Microbiology Laboratory, University Hospital Center »Mother Teresa«, Tirana, Albania
³Institute of Public Health
⁴Department of Microbiology, University of Vlora and the Regional Hospital of Vlora, Albania
P118 OXIDATIVE STRESS IN CARDIOVASCULAR DISEASES RELATED TO AGE
Elena Lupeanu¹, Gianina Ioana Constantin¹, Anton Valuch¹, Mariana Anton², Monica Barsan¹, Florentina Gatea³
¹National Institute of Gerontology and Geriatrics »Ana Aslan«, Bucharest, Romania
²Colteia Clinical Hospital, Bucharest, Romania
³National Institute of Research and Development for Biological Sciences, Bucharest, Romania

P119 ASSOCIATION OF CAROTID INTIMA-MEDIA THICKNESS WITH OXIDATIVE STRESS IN SUBJECTS WITH CARDIOVASCULAR EVENTS
Elena Lupeanu¹, Gianina Ioana Constantin¹, Bogdan Morosanu¹, Monica Barsan¹, Mariana Anton¹, Rodica Hnidei¹, Petru Gherasim¹, Emanuela Constantinescu¹
¹National Institute of Gerontology and Geriatrics »Ana Aslan«, Bucharest, Romania
²Colteia Clinical Hospital, Bucharest, Romania

P120 MARKERS OF EARLY INFLAMMATORY POLYARTHRITIS
Zoran Mijušković¹, Janko Pejović¹, Vesna Subota¹, Sandra Živanović², Tomislav Nedeljković², Jelica Stojanović³
¹Military Medical Academy, University of Defence, Belgrade, Serbia
²Department of Rheumatology, Health Centre Kragujevac, Serbia
³Faculty of Natural Sciences and Mathematic, University of Kragujevac, Serbia

P121 HBA1C MEASUREMENT WITH NGSP CERTIFIED METHOD FOR THE COBAS 6000/C501 BIOCHEMICAL MODULE
Milena Bojilova¹, Nedjalko Kalachev¹, Anna Tzontcheva²
¹MDL »CIBALAB«, Sofia, Bulgaria
²Medical University Sofia, Bulgaria

P122 DETECTION OF SERUM PROTEIN PROFILE CHANGES IN ATHEROSCLEROSIS
Tomris Özben¹, Evrim Dursun¹, Beste Ozzen², Emanuela Monari³, Elisa Belleri³, Aurora Cuoghi³, Aldo Tomasi³
¹Akdeniz University Medical Faculty, Department of Biochemistry, Antalya, Turkey
²Marmara University Medical Faculty, Department of Cardiology, Istanbul, Turkey
³University of Modena, Medical Faculty, Department of Laboratory Medicine Modena, Italy
P123 OXIDATIVE STRESS AND ANTIOXIDANTS IN CANCER
Tomris Özben
Akdeniz University, Faculty of Medicine, Department of Biochemistry, Antalya, Turkey

P124 AGE-RELATED INDIRECT REFERENCE INTERVALS FOR THYROID PARAMETERS OF AMBULATORY PATIENTS
Neda Milinković1, Svetlana Ignjatović1,2, Miloš Žarković3, Nada Majkić-Singh1,2
1Center for Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia
2Institute of Medical Biochemistry, University of Belgrade, School of Pharmacy, Belgrade, Serbia
3Institute of Endocrinology, Clinical Center of Serbia, Belgrade, Serbia

P125 THE EFFECT OF THE EXPERIMENTAL TYPE 1 DIABETES MELLITUS ON THE EXPRESSION OF ADIPONECTIN RECEPTORS IN MALE RAT PANCREAS
Abbas Mohammadi
Afzalipour School of Medicine, Kerman, Iran

P126 CYTOTOXIC EFFECTS OF QUERCUS INFECTORIA AND TERMINALIA CHEBULA EXTRACTS ON TWO TUMOR CELL LINES
Ahmad Gholamhoseinian1,2, Sam Nouroozi1, Gholam Abbas Mohammadi1, Seid Noroddin Nematollahi3
1Department of Biochemistry, Afzali-pour Medical School, Kerman, Iran
2Physiology Research Center, Kerman University of Medical Sciences
3Department of Anatomy, Afzali-pour Medical School, Kerman, Iran

P127 NEUROENDOCRINE DISORDERS CAUSED BY HEROIN ABUSE
D. Janićević-Ivanovska1, A. Spasovska-Trajkovska2, Z. Pereska3
1University Clinic Of Clinical Biochemistry
2University Clinic Of Psychiatry
3University Clinic of Toxicology
University Clinic Center, Skopje, Macedonia

P128 THYROID DYSFUNCTION IN PATIENTS WITH DIABETES MELLITUS TYPE 1
Adem Musliu1, Mynyr Koni1, Milazim Shabani2
1Department of Biology, Faculty of Natural Sciences, University of Tirana, Albania
2Department of Chemistry, Faculty of Natural Sciences, University of Tirana, Albania
P129 NEPHROTOXIC EFFECT OF NSAID'S IN PATIENTS WITH RHEUMATOID ARTHRIT
Adem Musliu1, Mynyr Koni1, Dritan Topi2, Milazim Shabani2
1Department of Biology, Faculty of Natural Sciences, University of Tirana, Albania
2Department of Chemistry, Faculty of Natural Sciences, University of Tirana, Albania

P130 ENVIRONMENTAL CAUSES OF LUNG CANCER
Adem Musliu1, Mynyr Koni1, Milazim Shabani2
1Department of Biology, Faculty of Natural Sciences, University of Tirana, Albania
2Department of Chemistry, Faculty of Natural Sciences, University of Tirana, Albania

P131 ASSESSMENT OF FETAL LUNG MATURITY – AMNIOTIC FLUID LAMELLAR BODY COUNT ON COBAS MICRO 60 AND NIHON-KOHDEN
N. Cokrevska Zografska1, D. Lazarova1, G. Petrovska, A. Pasoski2
1CH Acibadem Sistina, Skopje, Skupi 5A, Macedonia
2PZU Albimini, Prilep, Bidimaz, Macedonia

P132 CORRELATION OF SERUM ADIPONECTIN LEVELS WITH ANTHROPOMETRIC PARAMETERS IN OBESE AND OVERWEIGHT WOMEN
Sonja Kuzmanovska, Ana Ugrinska, Daniela Miladinova, Toni Tripunoski
Medical Faculty »St Cyril and Methodius« University, Skopje, Macedonia

P133 ORAL CANDIDIASIS IN FEBRILE PLWHA-S AND THE CORRELATION WITH CD4 STATUS, IN ALBANIA
Xhensila Prendushi-Frasheri1, Najada Gjylameti2, Dhimiter Kraja3, Najada Como1, Arjan Harxhi3, Arben Pilaca3, Pellumb Pipero3
1University of Tirana, Faculty of Nursing, Infectious Diseases, Tirana, Albania
2Department of Laboratory, Tirana, Albania, UHC »Mother Theresa«, Tirana, Albania
3Department of Infectious Diseases, Tirana, Albania, UHC »Mother Theresa«, Tirana, Albania
GENERAL INFORMATIONS

Meeting Venue
The scientific programme and exhibition of the BCLF 2012 BELGRADE MEETING will be held at the:

Best Western Hotel M
Bulevar oslobođenja 56
11000 Belgrade, Serbia
September 18–22, 2012

Meeting Secretariat
Institute of Medical Biochemistry
Clinical Center of Serbia
Višegradska 26
11000 Belgrade, Serbia
Phone/Fax: +381 11 361 56 31
E-mail: dmbj@eunet.rs
Website: www.bclf2012.org
www.bclf.info
www.dmbj.org.rs

Registration desk
The registration desk located at the Best Western Hotel M will be open for the duration of the Symposium from Tuesday, September 18, to Friday, September 21, 2012, from 9:00 a.m. to 7:00 p.m.

Full registration fee for 20th BCLF Meeting 150.00 EUR
Registration fees may be paid in Euros or Dinars, by bank transfers or in cash at site (see Registration Form).

Registration fee for 8th EFCC Symposium 100.00 EUR
Those interested in participation can registered by paying 100 Euro (see Registration Form).

The registration fee includes:
• Admission to all scientific sessions
• Admission to exhibition
• Congress material (programme, abstract book, congress bag, badge, etc.)
• Certificate of attendance
• Coffee breaks
• Lunch
• Meeting Dinner
Payment
All meeting delegates must register in advance of the meeting. Invited speakers will receive a dedicated communication regarding their registration procedure.
Registration can be submitted by regular mail to Meeting Secretariat or by fax (+381 11 3615631) using the Registration form.

Online registration is available at the Meeting website www.bclf2012.org

All fees must be paid in Euro by BANK TRANSFER. A copy of the transfer receipt must be sent by fax (+381 11 3615631). Registration without proof of payment cannot be accepted.

On site registrations must be paid by cash only.

The Organizing Secretariat will send confirmation of registration upon receipt of payment by e-mail: be sure your e-mail address is filled in clearly and correctly.

Because only those registered for the meeting will be allowed to attend the scientific sessions, the Organizing Secretariat kindly request that participants show proof of payment when checking in at the registration desk.

Exhibition
An exhibition of laboratory equipment and reagents will take place during the Meeting.

Badges
Badges will be distributed at the registration desk upon arrival. Please attach your badges for admission to all scientific and social activities.

Certificate of participation
The certificate of participation will be issued to those who are properly registered. The certificate of participation will be available at the registration desk and should be picked up just before departure.

Accommodation
A number of rooms have been reserved for the participants’ accommodation at the Best Western Hotel M (single room 70 EUR; double room – 90 EUR). Rates are daily per room, including breakfast (in Euros). Reservations will be made on a »first-come, first-serve« basis before August 10, 2012.
For room reservation and payment please contact the Hotel:

Best Western Hotel M
Bulevar oslobođenja 56
11000 Belgrade, Serbia
Phone/Fax: + 381 11 30 90 609
+ 381 11 30 90 644
e-mail: office@hotel-m.com
Contact person:
Raco Vuković
Jelena Peković

Opening ceremony and welcome party
Wednesday, September 19, 18:00–21:00

Meeting Dinner
Friday, September 21, 20:30–23:00

Congress language
The official language of the congress will be English.

Visual Equipment
The Meeting hall will be equipped with data video projectors for the speakers’ needs.

Internet
The Organizer kindly invites you to visit the Meeting Web pages at www.bclf2012.org

Climate
In September Belgrade enjoys a mild climate. The average daily temperature in Belgrade is about 21 °C.

Transfer from Airport
When you arrive at Belgrade Airport, immediately after passing the Customs, you can find Taxi Info Desk, where you can buy a voucher for a taxi ride straight to your hotel. We strongly recommend you this way of payment. You just have to provide the address of the hotel, and you will be escorted to your vehicle. The price for the taxi ride is approximately 15 EURO.
Public Transportation
If you decide to use Belgrade public transportation, you can purchase ticket in the vehicle, but it is cheaper if you buy it in the kiosk. The price for 10 single ride tickets is approx. 6 EURO. You must validate your ticket when you initiate your ride.

Banking
ATM (automated teller machine) and exchange office are available near the venue.

Internet connection
Wi-fi connection will be possible free of charge at the venue. Username and password required. Instructions will be available at the registration desk.

Medical service
Please contact a member of Hotel reception or person at the registration desk in case of need. For emergencies call 94.

Insurances
The Organizing Committee accepts no liability for personal injuries sustained, for any loss or damage to property belonging to Conference participants, either during or as a result of the Conference.

BELGRADE’S TOP SIGHTS
• Knez Mihajlova Street
• Terazije
• Kalemegdan and Belgrade fortress
• Dorćol
• Republic square and environs
• Skadarlija
• Varoš-kapija zone
• Zeleni Venac and the Sava River Slope
• The Courts
• St. Sava and Vračar Precinct
• Dedine Courts
• Topčider
• Ada Ciganlija
• Zemun
ORGANIZER
Phone/Fax: +381 11 361 56 31
E-mail: dmbj@eunet.rs
Website: www.bclf2012.org
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