7th EFCC
Symposium for Balkan Region
Under IFCC and EFCC Auspices

Biomarkers:
From Standardization to Performance

Programme

Hotel „M“, BELGRADE, SERBIA
June 23–25, 2011

www.dmbj.org.rs
Dear colleagues and friends,

The Society of Medical Biochemists of Serbia has the pleasure to welcome you to the 7th EFCC Symposium for Balkan Region being held under the title Biomarkers: From Standardization to Performance. The 7th EFCC Symposium for Balkan Region is organized under the auspices of the International Federation of Clinical Chemistry (IFCC) and European Federation of Clinical Chemistry and Laboratory Medicine (EFCC). The Society as a member of the IFCC and EFCC greatly appreciates the role it has in the continuing development of our discipline according to the IFCC mission and the Strategic Plan. EFCC appointed Belgrade (Serbia) and the Society of Medical Biochemists of Serbia as the organizer of educational symposia for clinical chemists in the Balkan region and as a result of this decision six symposia have been organized up to now very successfully.

The first Symposium (Belgrade, June 2005) under the title »Education, Management and Standards in Laboratory Medicine« appointed the Present and future activities of EC4 (Rob Jansen), Education and training program of the IFCC in clinical chemistry and laboratory medicine (Willem Huisman), A practical tool for the management of quality in the medical laboratory – ISO 15189 (David Burnett), External quality assessment programs: past, present and future (Mario Plebani), and the process of Establishing reference laboratories in laboratory medicine (Lothar Siekmann). Also experts from the Balkan region (L. Crezante, D. Rizos, N. Majkić-Singh, S. Ignjatović, G. Kolios, A. Tzontcheva) presented their experiences regarding the topics of the Symposium in the Balkan region.

During the 2nd EFCC Symposium (Novi Sad, October 2006) held under the title »New Diagnostic Tools and Quality in Laboratory Medicine« the New diagnostic tools in clinical chemistry: Applications of SELDI-TOF MS, 2 D-HPLC and microarrays in protein profiling (Marja P. van Dieijen-Visser, Isabella Levieri, Reinhard Hiller), the New biomarkers of diseases: Cardiac natriuretic peptides (Johannes Mair), Complexed PSA (Rainer Neumann), Bone remodeling (Jan Stepan), and Evidence-based approach (Svetlana Ignjatović, Nada Majkić-Singh, S. Ignjatović, G. Kolios, A. Tzontcheva) presented their experiences regarding the topics of the Symposium in the Balkan region.

During the 3rd EFCC Symposium (Belgrade, September 2007) titled »Theory and Application of Evidence-Based Laboratory Medicine« provided answers to the following questions: What is evidence based laboratory medicine? (Rita Horvath), How to ask the right questions? (Dunja Rogić), How should you read an article about a diagnostic test? (Svere Sandberg), A special section was devoted to the Application of quality indicators in a medical laboratory (Oswald Sonntag, Jakub Hejsek).

The 3rd EFCC Symposium (Belgrade, September 2007) titled »Theory and Application of Evidence-Based Laboratory Medicine« provided answers to the following questions: What is evidence based laboratory medicine? (Rita Horvath), How to ask the right questions? (Dunja Rogić), How should you read an article about a diagnostic test? (Svere Sandberg), What is a systematic review and how can it be performed? and How to appraise guidelines? (Rita Horvath), Is there a
correlation between the methodological quality and the validity of contents of guidelines (Joseph Watine), How to implement EBLM in everyday practice? (S. Sandberg). Also, special subjects addressed the matter of Diagnostic guidelines compared to therapeutic guidelines (Wytze Oosterhuis) and Simple statistics used in diagnostic test evaluations (Svere Sandberg & Diler Aslan) were presented.

The 4th EFCC Symposium (Belgrade, June 2008) was organized with the subject «Impact of the Pre-analytical Phase on the Quality of the Laboratory Results» where the latest findings regarding the application and significance of the impact of preanalytical factors on the quality of laboratory results were presented with the goal of preventing preanalytical errors that can cause damage to the patients as well as the entire laboratory procedure (Victor Blaton, Nada Majkić-Singh, Sol Green, Pierangelo Bonini, Giuseppe Lippi). Safety measures during the process of collecting biological samples from patients were been discussed, e.g. during venipunctures, for the purpose of protecting the patients (Camilla Mattiuzzi). Besides presentations on the impact of the preanalytical phase in hematology (Giuseppe Banfi), sample stability was also reviewed (Gian Luca Salvagno), as well as the recommendations and ways of educating staff regarding the quality of diagnostic samples (Walter G. Guder). In order to achieve the best possible results, new approaches in laboratory medicine dealing with the application and philosophy behind the LEAN and SIX SIGMA techniques were laid out (Ana Stanković). Experts from Serbia, Romania, Bulgaria and Greece (Z. Šumarac, A. Tzontcheva, M. Cojocaru) presented their experiences regarding the application of the preanalytical phase technology in the Balkan region. Round table discussions on the topics presented served as the basis for reaching conclusions and guidelines in this area of laboratory medicine.

The idea of the 5th EFCC Symposium for Balkan Region (Belgrade, October 2009) under the title – Proteins: from electrophoresis to proteomics was to make a connection and show the continuation of different electrophoresis techniques for protein profiling to proteomics which is able to show the large-scale image of proteins, particularly their structures and functions. The program of the 5th Symposium covers: Agarose gel electrophoresis and capillary electrophoresis (Jean-Francois Giot), Lab-on-chip electrophoresis (Olgica Trenčevska), MADGE-Microplate array diagonal gel electrophoresis (Sanja Stanković), Isoelectrofocusing and PCR amplification-reverse hybridization assay in evaluation of alfa-1-antitrypsin deficiency (Andelo Beletić), Proteomics techniques in biomarker discovery (Antonia Vlahou), Urinary proteome analysis using capillary electrophoresis coupled with mass spectrophotometry (Harald Mischak), Glucocorticoid receptor in health and disease (Gordana Matić), Molecular diagnosis of phenylketonuria (Sonja Pavlović), Experiences in clinical protein arrays: Biochip cardiac array technology (Grazyna Sypniewska), Cytokine and growth factor array (Hans j. van Pelt), Colorectal cancer array (Martin Crockard) and Multiparameter testing of colorectal cancer (Bernhard Risse).

The 6th EFCC Symposium for Balkan Region (Belgrade, October 2010) has been organized under the topic – Implementing Laboratory Automation, Quality and Efficiency where prominent foreign (Mario Plebani, Giorgio Da Ria, Jean-Michel Valid, Gerd Halflmmer, Gabriele Halwachs-Baumann, Dieter Villa and local experts (Nada Majkić-Singh, Svetlana Ignjatovic and Vojislav Stoiljkovic) introduced to the participants the means for achieving full automation and laboratory consolidation, with the goal of adhering to the philosophy of Lean and Six Sigma laboratory efficiency.

The 7th Symposium (Belgrade, June 2011) under the title Biomarkers: From Standardization to Performance is natural continuation of the knowledge from the previous Symposia. It will be marked with the lecture titles: What is biomarker? From discovery to clinical application (Nada Majkić-Singh), Standardization approaches and definition of performance requirements for heterogeneous biomarker assay (Mauro Panteghini), Defining biomarker performance and clinical validity (Patrick MM Bossuyt), Prospective biomarkers in cardiovascular events (Victor Blaton), How do apolipoproteins B and A perform as biomarker in acute coronary syndrome patients (Grazyna Sypniewska) and The role of copeptin (Dunja Rogić) and Myeloperoxidase (Sanja Stanković) as a cardiac biomarkers. The new biomarkers of molecular aging of proteins (Philippe Gillery), The biomarkers of diabetes complications (Diler Aslan), and Glycans as biomarkers (Miroslava Jankovic) will be presented. Screening biomarkers for fetal anomalies (Svetlana Ignjatovic), Biomarker for bone turnover (Andrea Griemacher) and A novel promising tumor markers combination for the prediction of ovarian cancer (Demetrios Rizos) will be discussed. The special lecture on Biomarkers, Biospecimen and European biobanking infrastructures for translational research will be discussed (Bernard Gouget).

On behalf of the Society of Medical Biochemists of Serbia and the EFCC we would like to welcome and thank all distinguished lecturers for their participation in our Meeting. Their presence gives very high recognition and prestige to this Meeting, which will influence the development of clinical chemistry and laboratory medicine in the Balkan region.

Special thanks are addressed to the participants whose presence is the main stimulus and only reward for those of us who have worked hard in organizing this meeting. We would like to thank all industrial companies and local representatives participating in the exhibitions and sponsoring the organization of the Meeting.

We hope that the EFCC Symposium in Belgrade will continue its successful progress of the previous years, aiming to focus on the new data in the field of laboratory medicine.

To all of you, we wish that you may enjoy these days of science, friendship and hospitality. We hope you will a happy and pleasant stay in Belgrade.

Symposium coordinators

Prof. Dr. Nada Majkić-Singh
President of the Society of Medical Biochemists of Serbia

Prof. Dr. Svetlana Ignjatović
Member of Serbian Health Council
THURSDAY, JUNE 23, 2011

11,00 a.m. – 13,00 p.m.  
Section 1

Chairs: V. Blaton (Belgium)  
        N. Majkić-Singh (Serbia)

11,00 – 11,30 a.m.  
Introduction  
EFCC Symposium for Balkan Region  
(Prof. Dr Nada Majkić-Singh, Prof. Dr Victor Blaton)

11,30 – 12,00 a.m.  
What is biomarker?  
From discovery to clinical application  
Nada Majkić-Singh,  
Institute for Medical Biochemistry,  
Clinical Centre of Serbia, Belgrade, Serbia

12,00 – 12,30 p.m.  
Standardization approaches  
and definition of performance  
requirements for heterogeneous  
biomarker assays  
Mauro Panteghini,  
Department of Clinical Sciences  
»Luigi Sacco« University of Milan, Milan, Italy

12,30 – 13,00 p.m.  
Defining biomarker performance  
and clinical validity  
Patrick MM Bossuyt,  
Dept. Clinical Epidemiology  
and Biostatistics, Academic Medical Center,  
University Amsterdam, The Netherlands

Discussion

13,30 – 14,30 p.m.  
Lunch

15,00 p.m. – 17,00 p.m.  
Section 2

Chairs: G. Sypniewska (Poland)  
        S. Stanković (Serbia)

15,00 – 15,30 p.m.  
Prospective biomarkers in  
cardiovascular events  
Victor Blaton,  
Department of Clinical Chemistry  
Hospital AZ Sing-Jan AV, Brugge, Belgium

15,30 – 16,00 p.m.  
How do apolipoproteins B and A  
perform as biomarkers in acute  
coronary syndrome patients  
Grazyna Sypniewska,  
Department of Laboratory Medicine,  
Collegium Medicum, Nicolaus Copernicus University,  
Bydgoszcz, Poland

16,00 – 16,30 p.m.  
Copeptin – is there a role for  
another cardiac biomarker?  
Dunja Rogić,  
Clinical Institute of Laboratory Diagnostics,  
Clinical Hospital Center Zagreb, Croatia

16,30 – 17,00 p.m.  
Myeloperoxidase – a novel risk biomarker  
for diagnosis of acute coronary syndrome  
Sanja Stanković, Nada Majkić-Singh  
Institute for Medical Biochemistry,  
Clinical Centre of Serbia, Belgrade, Serbia

Discussion
FRIDAY, JUNE 24, 2011

9,00 a.m. – 11,00 a.m.

Section 3

Chairs: D. Aslan (Turkey)
B. Gouget (France)

9,00 – 9,30 a.m.
Biomarkers, biospecimen and European biobanking infrastructures for translational research
Bernard Gouget,
Federation Hospitaliere France, Paris, France

9,30 – 10,00 a.m.
Nonenzymatic posttranslational modification derived products: New biomarkers of molecular aging of proteins
Philippe Gillery,
Laboratoire de Biologie et de Recherche Pediatriques,
Americal Memorial Hospital, Reims, France

10,00 – 10,30 a.m.
Biomarkers for diabetes complications: the results of several clinical studies
Diler Aslan,
Pamukkale University School of Medicine,
Denizili, Turkey

Discussion

Coffee break

11,00 a.m. – 13,00 p.m.

Section 4

Chairs: A. Griesmacher (Austria)
D. Rizos (Greece)

11,00 – 11,30 a.m.
Human epididymis protein 4 (HE4) and CA125. A novel promising combination for the prediction of ovarian cancer
Demetrios Rizos,
Medical School, University of Athens, Greece

11,30 – 12,00 a.m.
Biomarkers for bone turnover
Andrea Griesmacher,
Central Institute of Med. and Chem. Laboratory,
Diagnostics LKH-University Hospital of Innsbruck, Austria

12,00 – 12,30 p.m.
Screening biomarkers for fetal anomalies
Svetlana Ignjatović,
Institute for Medical Biochemistry,
Clinical Centre of Serbia, Belgrade, Serbia

Discussion

13,30 – 15,00 p.m.
Lunch
15.30 p.m. – 17.00 p.m.

Section 5

Chairs: V. Blaton (Belgium)
N. Majkić-Singh (Serbia)
S. Ignjatović (Serbia)

Experiences from Balkan region
Glycans as biomarkers: status and perspectives
Miroslava Janković
Institute for the Application of Nuclear Energy-INEP,
University of Belgrade, Serbia

Round table discussion on presented topics

Discussion

SATURDAY, JUNE 25, 2011

Sightseeing Tour
A train ride on the Šargan Eight railway and visit to city of Mokra Gora and Drvengrad (Wooden Town)
GENERAL INFORMATION

Date and Venue
The Scientific programme and exhibition of the 7th EFCC Symposium for Balkan Region in Belgrade 2011 will be held in Hotel »M«, Bulevar oslobođenja 56, Belgrade, from 23–25 June.

Registration desk
The registration desk located at the Hotel »M«, Belgrade will be open for the duration of the Symposium from Thursday, 23 June 2011 at 9:00 a.m. to Friday, 24 June 2011 at 6:00 p.m.

Full registration fee
100.00 Euro
Registration fees may be paid in Euros or dinars, by bank transfers or in cash at site (see Registration Form).

The registration fee includes:
- Admission to all scientific sessions
- Admission to exhibition
- Congress material (programme, abstract book, congress bag, badge, etc.)
- Coffee breaks
- Two lunch
- Certificate of attendance

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 must be picked up just before departure.

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.

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

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

Weather
In June Belgrade enjoys a mild climate. The average daily temperature in June is about 21 °C.
ORGANISER

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