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**XXVII. BALKAN KLİNİK
LABORATUVAR FEDERASYONU**

KONGRESİ BCLF 2019

**XXX. TÜRK BİYOKİMYA
DERNEĞİ ULUSAL BİYOKİMYA**

KONGRESİ TBD 2019

27-31 Ekim 2019, Antalya, Türkiye

**XXVII. BALKAN CLINICAL
LABORATORY FEDERATION**

MEETING BCLF 2019

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BCLF WELCOME LETTER

Dear friends and colleagues,

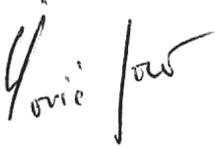
On behalf of Balkan Clinical Laboratory Federation it is my great pleasure to invite you to take part on this great scientific event to be held on 27-31 October 2019 in Antalya - Turkey.

Gear up for an exciting and informative 27th Balkan Clinical Laboratory Federation Meeting that will enable You to refresh your knowledge base, explore innovations, exchange ideas, meet other researches, friends and colleagues as well as sponsors and exhibitors.

The Meeting will cover all the scientific and technological aspects of Laboratory Medicine. Ideal location to participate to very advanced scientific presentations combined with well balanced programme of oral and poster presentations, and dedicated workshops, will guarantee an efficient exchange of ideas and allow productive discussions.

These are exciting times in the world of laboratory medicine and I am sure that 27th BCLF Meeting will be a rewarding and unforgettable experience for all participants.

I look forward to meeting you all in beautiful Turkey.



Jozo Coric
BCLF President

TBS WELCOME LETTER

Dear Colleagues, Dear Friends,

On behalf of the Turkish Biochemical Society (TBS), it is a great pleasure to welcome you to Antalya and to the Joint Meeting of 27th Balkan Clinical Laboratory Federation Congress and 30th National Biochemistry Congress of TBS.

Formerly, TBS held a lot of joint international congresses with the collaboration of international organisations and BCLF. This BCLF Congress is the fifth in Turkey. The last one was in Istanbul, embedded within the Worldlab 2014.

In general, the BCLF congresses are held at the beginning of September. But we asked the colleagues from the EB of BCLF if the congress could be held at the end of October. Because we organize national biochemistry congresses every year at the end of October covering 29th October which is the anniversary of the foundation of Turkish Republic. So we celebrate this special day in our congresses every year with a great gratefulness to Mustafa Kemal, the founder of TR. And, I am pleased that all the BCLF EB members approved our proposal. I would like to thank to all colleagues from the BCLF EB.

The scientific program of the Congress is powerful. As you know, former IFCC President **Prof. Howard Morris** would come to the Congress for the opening lecture. But it is our deep sorrow that he passed away due to a heart attack in April. We commemorate him with our deepest respect.

There are many top keynote speakers in the program such as **Khosrow Adeli (the newly elected president of IFCC, on behalf of IFCC, Canada)**, **Mario Plebani** (opening lecturer, on behalf of IFCC, Italy), **Sverre Sandberg** (EFLM past-president, on behalf of EFLM, Norway), **Elvar Theodorsson (Sweden)**, **Christa Cobbaert (on behalf of IFCC, Netherland)**, **Jerca Dumic** (on behalf of FEBS, Croatia), **Hassan Bayat** (Iran), **Alexander Haliassos** (Greece), and **Tomris Ozben** (IFCC Treasurer and newly elected president of EFLM). Of course, there are a lot of foreign and Turkish outstanding scientists, difficult to name one by one, as a speaker or chair on interesting and hot topics of biochemistry / clinical biochemistry, and laboratory medicine. As total there are more than 50 speakers at the Congress.

In the scientific program, due to the high demand, we could open wide space for oral presentations. There are 116 oral presentations now. And, as usual, there are numerous (more than 200) poster presentations.

Additionally, the courses/workshops performed before or will be held during the Congress are remarkable. Two of them, the **EFLM scientific writing course** and the **miRNA Course** were successfully completed today, just before the opening. I would like to highlight the workshops during the Congress on **basic and advanced mass spec** and **Six Sigma application for analytical performance**. Another important workshop prepared by **National Metrology Institute** of Turkey on the **traceability in laboratory medicine**. Diagnostic companies also support the scientific program by their satellite symposia. Every Congress day, there are one or two industrial satellite symposia with interesting topics.

There is an important session also on 30th of October on **Nazmi Ozer Science Award**. Two young scientists who won the awards last year will present their studies in this session. And the new award winners of this year will be announced.

Dear colleagues, geographically and culturally Turkey is a "bridge" between Europe and Asia. Therefore, and I am pleased to say that there is a greater participation to Congress than I expected with a total of >600 attendees. About 130 of them from essentially Balkan countries and other European countries such as Germany, Sweden, Norway and Croatia, but there are participants from Iran, Iraq, Syria, Pakistan, Azerbaijan etc.

The young scientists have revealed a great interest to the Congress. There are too many young scientists actively attending to the Congress with a presentation. As usual, we tried to respond to this interest by giving **registration bursary** to these young persons (We gave registration bursary to more than 60 young colleagues). We also gave young colleagues (<35 years old) an opportunity to free participation in two days EFLM scientific writing course. We are proud to be able to give this support. I hope, active participation in this Congress will prove greatly beneficial to their continuing professional development.

Dear Colleagues, historically or politically, there might be some conflicts between some of these countries in this huge region, but science means peace or science is a means of peace at the same time, I think. So, this meeting will contribute not only to the scientific development in lab med but also contribute to lasting and sustainable peace in this region.

I would like to highlight once again that all abstracts presented at the Congress will be published in the **Turkish Journal of Biochemistry**, the official journal of TBS and listed by SCI-E. This is also valuable for especially young colleagues, I think.

Finally, I would like to thank to all speakers, attendees, our sponsors, and the PCO, Kenes.

Dear Colleagues, the Congress venue and accomodation conditions are well, the weather of Antalya is also excellent for this season. I hope all attendees will enjoy the meeting.

I wish you a successful and fruitful Congress.

Thank you for coming...

With my best regards,



Dr. Dogan Yucel
Chair of TBS and Congress

SCIENTIFIC PROGRAM**26 October 2019, Saturday****TIME HALL B****09:00-17:00****EFLM Course:**

How to write a good scientific and professional article?

*Sverre Sandberg, Noklus, Norway - Elvar Theodorsson, Ike/Klinisk Kemi, Sweden***27 October 2019, Sunday****TIME HALL B****09:00-17:00****EFLM Course:**

How to write a good scientific and professional article?

*Sverre Sandberg, Noklus, Norway - Elvar Theodorsson, Ike/Klinisk Kemi, Sweden***TIME HALL C****09:00-17:00****COURSE: miRNA isolation and expression training program***Aylin Sepici Dincel, Gazi University, Turkey - Oytun Portakal, Hacettepe University, Turkey***TIME HALL A****17:00-17:30****Opening Ceremony***Doğan Yücel**TBS President**Congress President**Tomris Ozben**Congress Co-President**BCLF Past-President and Representative of TBS**EFLM President-Elect**IFCC Treasurer**IFCC Foundation for Emerging Nations (FEN), Board of Directors**Jozo Coric**BCLF President**Sverre Sandberg**EFLM Past-President**Khosrow Adeli**IFCC President-Elect***17:30-18:30****Opening Lecture**

Quality and patient safety in laboratory medicine

Mario Plebani, University Of Padova, Italy

SCIENTIFIC PROGRAM**28 October 2019, Monday**

Time	HALL A
08:30-10:00	SESSION 1 <i>Moderators: Diler Aslan, Turkey - Süleyman Demir, Turkey</i>
08:30-09:00	eApps and medical diagnostics data management <i>Khosrow Adeli, University Of Toronto, Canada</i>
09:00-09:30	The statistical principles of laboratory data analysis <i>Muhittin Serdar, Acibadem University, Turkey</i>
09:30-10:00	Evaluating the performance of autoverification processes using Six Sigma approach <i>Abdurrahman Coskun, Acibadem University, Turkey</i>
10:00-10:30	Coffee Break
10:30-11:15	Plenary Lecture: <i>Moderator: Tomris Ozben, Turkey</i> Uncertainty in laboratory medicine <i>Mario Plebani, University Of Padova, Italy</i>
11:15-12:00	Industry Sponsored Symposium 1 (Beckman Coulter) <i>Moderator: Abdurrahman Coskun, Turkey</i> The role of auto-verification in postanalytical process improvement <i>Speaker: Ozlem Gulbahar</i>
12:00-13:15	Lunch Break
13:15-14:00	Industry Sponsored Symposium 2 (Snibe) <i>Moderator: Mehmet Senes, Turkey</i> The clinical performance of Maglumi AMH, 17-OH progesterone and B2 microglobulin <i>Speaker: Pinar Eker</i>
14:00-14:45	Plenary Lecture: <i>Moderator: Nazmi Ozer, Turkey</i> Harmonisation in clinical laboratories and the harmonisation activities of EFLM <i>Sverre Sandberg, Noklus, Norway</i>
14:45-16:30	SESSION 2 <i>Moderators: Erdinc Devrim, Turkey - Aylin Sepici Dincel, Turkey</i>
14:45-15:15	Adding value in thyroid cancer diagnostic: thyroglobulin and calcitonin measurement in fine needle aspirate washout <i>Andra Caragheorghopol, C.I.Parhon National Institute of Endocrinology, Romania</i>
15:15-15:45	Mass spectrometry achieving prominence in clinical medicine <i>Dobrin Svinarov, Alexander Hospital, Medical University Of Sofia, Bulgaria</i>
15:45-16:00	Significant inflammatory response to obese and nonobese subjects, facts and promises <i>Driton Sopa, University Clinical Center Of Kosova, Kosovo</i>
16:15-16:25	O-019 Evaluation of inflammatory status with procalcitonin and neopterin in healthy overweight and obese adults based on waist hip ratio <i>Cigdem Sonmez, University of Health Sciences, Turkey</i>
16:30-17:00	Coffee Break
17:00-18:00	Oral Presentations 1 <i>Moderators: Cumhur Bilgi, Turkey - Oytun Portakal, Turkey</i>
17:00-17:15	Assessment of vitamin D status deficiency in Albanian pregnant women <i>Ersida Kapllani, University Hospital Centre Mother Teresa, Albania</i>
17:15-17:30	Anti müllerian hormone: new roles for an established biomarker of ovarian reserve <i>Demetrios Rizos, National And Kapodistrian University Of Athens, Greece</i>
17:30-17:45	Evidence of HbC disease in Albania. Clinical heterogeneity related to combination with other hemoglobin disorders <i>Etleva Refatllari, University Hospital Center Mother Teresa, Albania</i>
17:45-18:00	
18:00-19:00	APLUSTBD EXTERNAL QUALITY ASSESSMENT SCHEME <i>Moderator: Dogan Yucel, Turkey</i> Why APLUSTBD EQAS? <i>Dogan Yucel, Turkey</i> The IFCC committee on EQA and Proficiency Testing (IFCC C-PT) Major programs and new projects. <i>Alexander Haliassos, Greece</i> A new approach to EQA and APLUSTBD <i>Mujdat Aytakin, Turkey</i> Being consistently wrong is no longer acceptable <i>David Seccombe, Canada</i>
21:00-22:00	Yesterday, today, and tomorrow of medical laboratory services in Turkey: a discussion <i>Moderator: Dogan Yucel, Turkey</i> <i>Ferzane Mercan, Turkey</i>

SCIENTIFIC PROGRAM

28 October 2019, Monday

Time	HALL B
08:30-10:00	Oral Presentations 2 <i>Moderators: Halef Okan Dogan, Turkey - Dilek Iren Emekli, Turkey</i>
08:30-08:40	O-001 Thymoquinone and Sorafenib as a therapeutic combination in liver cancer: In vitro and in vivo <i>Eray Metin Guler, Bezmialem Vakif University, Turkey</i>
08:40-08:50	O-002 Investigation of type I collagen and MMP-2 changes in mandibular bone tissue in natural development <i>Velid Unsal, Artuklu University Mardin, Turkey</i>
08:50-09:00	O-003 Induction of APAF-1 and TRAIL by bilberry tea in HCT-116 colon cancer cell line <i>Burak Durmaz, Ege University, Turkey</i>
09:00-09:10	O-004 Induction of apoptosis and cell cycle arrest by pomegranate extract and tangeretin in the rat mammary carcinogenesis <i>Huseyin Fatih Gul, Kafkas University, Turkey</i>
09:10-09:20	O-005 Preparation of magnetic nanoparticle coated glutaraldehyde to reduce toxic effects of idarubicin and its effect on HL60 cell line <i>Hasan Ulusal, Gaziantep University, Turkey</i>
09:20-09:30	O-006 The effects of overexpression of acetylcholinesterase on amyloid precursor protein and β -secretase-1 levels in Hs766T cells <i>Kevser Biberoglu, Hacettepe University, Turkey</i>
09:30-09:40	O-007 Genome-wide CRISPR-Cas9 screening for identification of cancer essential genes in malignant pleural mesothelioma <i>Ece Cakiroglu, Dokuz Eylul University, Izmir, Turkey; Izmir Biomedicine and Genome Center, Izmir, Turkey</i>
09:40-09:50	O-008 The importance of serum hyaluronidase measurement in discrimination of patients with prostate cancer and benign prostatic hyperplasia <i>Zeynep Adyaman Koçer, University of Health Sciences, Turkey</i>
09:50-10:00	O-009 Antioxidant and anti-denaturation activities of asparagus horridus grows in North Cyprus <i>Duygu Gencalp, Eastern Mediterranean University, North Cyprus</i>
10:00-10:30	Coffee Break
14:45-18:15	COURSE: Applying six sigma to analytical performance in the medical laboratories <i>Hassan Bayat, Sina Medical Laboratory (Qaem Shahr), Iran</i>
16:30-17:00	Coffee Break
14:45-18:15	COURSE: Applying six sigma to analytical performance in the medical laboratories <i>Hassan Bayat, Sina Medical Laboratory (Qaem Shahr), Iran</i>

SCIENTIFIC PROGRAM

28 October 2019, Monday

Time	HALL C
08:30-10:00	Oral Presentations 3 <i>Moderators: Yasemin Ucal, Turkey - Neval Aksoy, Turkey</i>
08:30-08:40	O-010 CA125 test request ratio in male patients <i>Huriye Erbak Yilmaz, İzmir Atatürk Education and Research Hospital, Turkey</i>
08:40-08:50	O-011 Evaluation of tumor marker tests in a hospital setting <i>Muzaffer Katar, Tokat Gaziosmanpaşa University, Turkey</i>
08:50-09:00	O-012 Detection of preanalytical errors in blood gas analysis <i>Hayat Ozkanay Yoruk, İzmir Katip Çelebi University, Turkey</i>
09:00-09:10	O-013 The effect of hemolysis and storage conditions on insulin stability <i>Didem Barlak Ketci, Erciyes University, Turkey</i>
09:10-09:20	O-014 Falsely low levels of unconjugated estradiol: A case series of interference by anti-ALP antibodies <i>Merve Sibel Gungoren, Duzen Laboratories Group, Turkey</i>
09:20-09:30	O-015 What if all is well except insulin? A macroinsulin case report <i>Cevdet Zungun, Duzen Laboratories Group, Turkey</i>
09:30-09:40	O-016 Comparison of biochemical analytes in different blood collection tubes and evaluation of stability <i>Fatma Demet Arslan, University of Health Sciences, Turkey</i>
09:40-09:50	O-017 Elevated high sensitivity troponin in the absence of coronary artery disease: a case report <i>Feyza Yagmur Tekeli, Antalya Education and Research Hospital, Turkey</i>
09:50-10:00	O-018 Serum separation problem on gel tubes: is it a problem or a clue of some clinical conditions? <i>Ahmet Ozsoy, University of Health Sciences, Turkey</i>
10:00-10:30	Coffee Break
14:45-16:30	Oral Presentations 4 <i>Moderators: Guzin Aykal, Turkey - Oguzhan Zengi, Turkey</i>
14:45-14:55	
14:55-15:05	O-021 Simultaneous determination, quantitation and validation of the most used benzodiazepines in urine <i>Cigdem Karakukcu, Kayseri City Hospital, Turkey</i>
15:05-15:15	O-022 Association of Ncb2/Nesfatin-1 gene polymorphism with obstructive sleep apnea severity <i>Deniz Mihcioglu, SANKO University, Turkey</i>
15:15-15:25	O-023 The effect of lycopene on autophagy in fluoride toxicity in kidney cells <i>Ayşe Usta, Van Yuzuncu Yil University, Turkey</i>
15:25-15:35	
15:35-15:45	O-025 The relationship between WNT signaling activity and organ attitudes in scleroderma disease sub-groups <i>Ayşe Kocak, Dokuz Eylul University, Turkey</i>
15:45-15:55	O-096 Reelin enzyme levels in emergency service suicide or self harm attempt patients <i>Turgut Dolanbay, Kafkas University Health Research and Application Hospital, Turkey</i>
15:55-16:05	O-027 Towards the clinical implementation of pharmacogenetics in cardiology: Serbian experience <i>Sanja Stankovic, Clinical Center of Serbia, Serbia; Business Academy University Novi Sad, Serbia</i>
16:05-16:15	
16:15-16:25	
16:30-17:00	Coffee Break
17:00-18:00	Oral Presentations 5 <i>Moderators: Murat Cihan, Turkey - Mine Erguven, Turkey</i>
17:00-17:10	O-030 Inhibitory effect of glyphosate on butyrylcholinesterase and acetylcholinesterase activity <i>Ayşe Ulusoy, Cukurova University, Turkey</i>
17:10-17:20	O-031 Evaluation of Roche Accu-Chek Inform II glucose test strip system in the hospital setting <i>Settar Kosova, Caycuma/Zonguldak State Hospital, Turkey</i>
17:20-17:30	O-032 Evaluation of urine drug screening test results between 2016-2018 years in Kanuni Education and Research Hospital Laboratory <i>Nazime Cebi, University of Health Sciences, Kanuni Education and Research Hospital Laboratory, Turkey</i>
17:30-17:40	O-033 Pregabalin substance abuse <i>Saliha Aksun, İzmir Katip Çelebi University, Turkey</i>
17:40-17:50	O-034 The protein supplements and its inhibition of liver enzymes at athletes <i>Nafija Serdarevic, University of Sarajevo, Bosnia and Herzegovina</i>
17:50-18:00	O-035 Effect of bariatric surgery on ghrelin-hepatosteatosis interaction: The Selcuk University Faculty of Medicine example <i>Hakan Vatansev, Necmettin Erbakan University, Turkey</i>

SCIENTIFIC PROGRAM

29 October 2019, Tuesday

Time	HALL A
08:30-10:00	SESSION 3 <i>Moderators: Ebubekir Bakan, Turkey - Berrin Bercik Inal, Turkey</i>
08:30-09:00	Analytical performance goals <i>Hassan Bayat, Sina Medical Laboratory (Qaem Shahr), Iran</i>
09:00-09:30	Quality management: illuminating the path to ISO 15189 accreditation. A view from the Republic of North Macedonia <i>Katerina Tosheska-Trajkovska, Medical Faculty/Institute Of Medical And Experimental Biochemistry, Macedonia</i>
09:30-10:00	Quality control in research laboratory: The need for standardization <i>Yasemin Ucal, Acibadem Mehmet Ali Aydinlar University, Turkey</i>
10:00-10:30	Coffee Break
10:30-11:15	Plenary Lecture: <i>Moderator: Jozo Čorić, Bosnia and Herzegovina</i> Bias in clinical chemistry <i>Elvar Theodorsson, Ike/Klinisk Kemi, Sweden</i>
11:15-12:00	Industry Sponsored Sympoisum 3 (Roche) <i>Moderator: Cem Öcal, Turkey</i> Automation solutions in laboratories <i>Speaker: Cigdem Karakukcu</i>
12:00-13:15	Lunch Break
13:30-14:15	Industry Sponsored Sympoisum 4 (Mindray) <i>Moderator: Muhittin Serdar, Turkey</i> Clinical utility of Reticulocyte Hemoglobin and Hypochromic erythrocytes reported by Mindray BC6800 Plus hematology analyzer in the study of erythropoiesis <i>Speaker: Eloisa Urrechaga</i> <i>Senior Consultant for Clinical Laboratory</i>
14:15-15:00	Plenary Lecture: <i>Moderator: Nada Majkic-Singh, Serbia</i> Value and impact of laboratory medicine in healthcare delivery <i>Khosrow Adeli, University Of Toronto, Canada</i>
15:00-16:45	SESSION 4 <i>Moderators: Ali Unlu, Turkey - Ebru Sezer, Turkey</i>
15:00-15:30	Lipid guidelines: emerging evidence on importance of non-fasting and postprandial lipids <i>Khosrow Adeli, University Of Toronto, Canada,</i>
15:30-16:00	Apolipoprotein profiling for addressing residual cardiovascular risk: in search of a personalized and metrologically sound answer to the latest dyslipidemia guidelines <i>Christa Cobbaert, Lumc, The Netherlands</i>
16:00-16:30	The importance of cholesterol synthesis and absorption markers determination in healthy subjects and patients with ischemic heart disease <i>Tamara Gojkovic, University Of Belgrade, Serbia</i>
16:30-16:45	Impact of redox imbalance and inflammation on activity of paraoxonase 1 and its distribution in high density lipoprotein in polycystic ovary syndrome <i>Iva Perović Blagojević, KBC Dr Dragiša Mišović - Dedinje, Serbia</i>
16:45-17:15	Coffee Break
17:15-18:15	Oral Presentations 6 <i>Moderators: Anyla Bulo Kasneci, Albania - Alexander Haliassos, Greece</i>
17:15-17:30	Sensitive assessment of white blood cell functionality by novel hematological parameters <i>Milena Velizarova, Medical University- Sofia, Bulgaria; Alexander University, Bulgaria</i>
17:30-17:45	The future of cytometry in Europe <i>Georgios Markopoulos, University of Ioannina, Greece</i>
17:45-18:00	Significance of the determination of biomarkers of bone resorption and formation in patients with end stage renal disease <i>Neda Milinković, University of Belgrade, Serbia</i>
18:00-18:15	CEA monitoring in colorectal carcinoma - to the limit of the guidelines and beyond <i>Yana Bocheva, Medical University- Varna, Bulgaria</i>
20:00-23:00	29 October, Republic Day Celebration & Networking Event

SCIENTIFIC PROGRAM**29 October 2019, Tuesday**

Time	HALL B
08:30-13:00	COURSE: Mass spectrometre use in clinical laboratory practice (Basic Course) <i>Ali Unlu, Selcuk University, Turkey - Muhittin Serdar, Acibadem University, Turkey - Sedat Abusoglu, Selcuk University Faculty of Medicine, Turkey</i>
14:50-18:00	Workshop: TUBITAK UME (National Metrology Institute of TURKEY) - Elements of Metrological Traceability for Laboratory Medicine
14:50-15:10	Traceability in laboratory medicine and IVD directives <i>Tomris Ozben, Akdeniz University, Turkey</i>
15:10-15:30	Introduction of the European Metrology Network on Traceability in Laboratory Medicine <i>Muslum Akgoz, TUBITAK, Turkey</i>
15:30-15:50	Amino acid and organic acid CRMs for newborn screening <i>Simay Gunduz, TUBITAK, Turkey</i>
15:50-16:10	ID-MS based reference measurement method for small analytes: vitamin D, creatinine, glucose, cholesterol, amino acids <i>Mine Bilsel, TUBITAK, Turkey</i>
16:10-16:30	Reference methods for quantification of peptides & proteins: β -amyloid in CSF (ReMIND Project), human C-peptide, oxytocin, HbA1c, insulin, human growth hormone <i>Merve Oztug, TUBITAK, Turkey</i>
16:45-17:15	Coffee Break
17:00-17:20	Latest developments on NMR; reference method for purity determination of small analytes and peptides: 17β -estradiol, folic acid, human C-peptide, oxytocin, HbA1c <i>Ilker Un, TUBITAK, Turkey</i>
17:20-17:40	Development of a reference method for transferrin quantification in serum <i>F. Gonca Coskun, TUBITAK, Turkey</i>
17:40-18:00	A Reference method for genetic mutation quantification of KRAS <i>Muslum Akgoz, TUBITAK, Turkey</i>
20:00-23:00	29 October, Republic Day Celebration & Networking Event

SCIENTIFIC PROGRAM

29 October 2019, Tuesday

Time	HALL C
08:30-10:00	Oral Presentations 7 <i>Moderators: Banu İsbilen Basok, Turkey - Settar Kosova, Turkey</i>
08:30-08:40	O-036 The results in two different provinces in Black Sea Region where thalassemia screening was implemented: a rare hemoglobin variant <i>Durmus Ayan, Amasya University Sabuncuoğlu Serefeddin Research and Training Hospital, Amasya, Turkey</i>
08:40-08:50	O-037 First observation of hemoglobin Hamilton [$\beta 11(A8)Val \rightarrow Ile$] in Turkey <i>Irem Yildiz, Cukurova University, Turkey</i>
08:50-09:00	O-038 Glanzmann thrombasthenia: a case report <i>Aylin Haklıgor, University of Health Sciences, Turkey</i>
09:00-09:10	O-080 Evaluation of analytical process performance by six sigma methods in laboratories <i>Dilek İren Emekli, Erbayraktar Private Medical Laboratories, Turkey</i>
09:10-09:20	O-040 Determination of electrochemical behaviour of glucose-6-phosphate dehydrogenase by biosensor <i>Basak Gunaştı, Cukurova University, Turkey</i>
09:20-09:30	O-041 Investigation of the effect of glyphosate on G6PD activity in in vitro conditions <i>Kezban Kartlasım, Cukurova University, Turkey</i>
09:30-09:40	O-042 The evaluation of microtubes' compatibility to automated process for complete blood count <i>Ahmet Erkin Bozdemir, Health Sciences University Tepecik Training and Research Hospital, Turkey</i>
09:40-09:50	O-043 Design of a new biosensor for the determination of ferric iron in blood <i>Ahmet İlhan, University of Cukurova, Turkey</i>
09:50-10:00	O-044 Correlation Between LUC % and Thyroid Function Tests <i>Arzu Kosem, Ankara City Hospital, Turkey</i>
10:00-10:30	Coffee Break
14:45-16:30	Oral Presentations 8 <i>Moderators: Sevil Kurban, Turkey - Emre Avci, Turkey</i>
14:45-14:55	O-045 The effect of Rhamnetine against to ischemia-reperfusion injury in the kidney <i>Mustafa Nisari, University of Nuh Naci Yazgan, Turkey</i>
14:55-15:05	O-046 The protective effect of resveratrol against cyclosporine A-induced oxidative stress and hepatotoxicity <i>Ilknur Bingul, Istanbul University, Turkey</i>
15:05-15:15	O-047 Thiol/Disulphide balance and Ischemia-modified albumin levels in female with iron deficiency anemia <i>Emre Avci, Hitit University, Turkey</i>
15:15-15:25	O-048 Effect of hibernation on oxidative equilibrium in ground squirrels <i>Tulay Pekmez, Hitit University, Turkey</i>
15:25-15:35	O-049 Cellular protection by Phlorescens Species in H ₂ O ₂ -induced oxidative Stress <i>Derviş Birim, Ege University, Turkey</i>
15:35-15:45	O-050 Neuroprotection by optimized system extracts of Morus nigra L. Fruits in L-DOPA-induced toxicity <i>Gizem Kaftan, Ege University, Turkey</i>
15:45-15:55	O-051 Dynamic thiol-disulphide balance and thioredoxin reductase enzyme levels in patients with chronic kidney disease <i>Huseyin Erdal, Hatay Mustafa Kemal University, Turkey</i>
15:55-16:05	O-052 Protective role of lycopene in experimental heart ischemia reperfusion model <i>Busra Citil, Sıtcu Imam University, Turkey</i>
16:05-16:15	O-053
16:15-16:25	O-054
16:45-17:15	Coffee Break
17:00-18:00	Oral Presentations 9 <i>Moderators: Bahadır Öztürk, Turkey - Aylin Haklıgor, Turkey</i>
17:00-17:10	O-055 Oxidative status in degenerated painful intervertebral disc samples: variability with respect to duration of symptoms and type of disease <i>Hatice Kopar, Sıtcu Imam University, Turkey</i>
17:10-17:20	O-056 The effect of turmeric on GPER1 and oxidative/nitrosative stress biomarkers in cardiac ischemia reperfusion <i>Seda İkikardeş, Sıtcu Imam University, Turkey</i>
17:20-17:30	O-057 The impact of acupuncture treatment on dynamic thiol-disulphide homeostasis and ischemia-modified albumin levels to assess <i>Yasemin Gunduztepe, Gazi University, Turkey</i>
17:30-17:40	O-058 Effect of N-acetylcysteine on cisplatin induced apoptosis in rat kidney <i>Seyda Seydel, Nigde Ömer University, Turkey</i>
17:40-17:50	
17:50-18:00	O-060 Thiol-disulfide homeostasis in diabetic microvascular complications <i>Cuma Mertoglu, Erzincan University, Turkey</i>
20:00-23:00	29 October, Republic Day Celebration & Networking Event

SCIENTIFIC PROGRAM

30 October 2019, Wednesday

Time	HALL A
08:30-10:00	SESSION 5 <i>Moderators: Z. Gunnur Dikmen, Turkey - Sabahattin Muhtaroglu, Turkey</i>
08:30-09:00	IFCC, C-RIDL: The current concept and future plans for reference intervals and decision limits <i>Yesim Ozarda, Uludag University, Turkey</i>
09:00-09:30	Developing a roadmap for laboratory test utilization management program <i>Sedef Yenice, G Florence Nightingale Hospital, Turkey</i>
09:30-10:00	Threat of chemical weapons in Syria conflict and its impact on Balkan region along with the health and laboratory management system <i>Levent Kenar, University Of Health Sciences, Turkey</i>
10:00-10:30	Coffee Break
10:30-11:15	Plenary lecture: <i>Moderator: Muslum Akgoz, Turkey</i> The new IVD regulation 2017/746 and consequences for laboratory medicine <i>Christa Cobbaert, Lumc, The Netherlands</i>
11:15-12:00	Industry Sponsored Symposium V (Archem) <i>Moderator: Mujdat AYTEKIN, Turkey</i> HbA1c immunoturbidimetric test: CRM concept, standardization and interference studies <i>Speaker: Mehmet Salih Uca</i>
12:00-13:15	Lunch Break
13:15-14:00	Oral Presentations 10 <i>Moderators: Ali Unlu, Turkey - İlhan Yaylım, Turkey</i>
13:15-13:25	O-061 Biological variation in clinical practice: bridge between laboratorians and clinicians <i>Fatma Hande Karpuzoglu, Acibadem Labmed, Turkey</i>
13:25-13:35	O-062 Using the model of quality indicators: a pilot study <i>Oguzhan Zengi, Bagcilar Research and Training Hospital, Turkey</i>
13:35-13:45	O-063 National guidelines for the preparation, distribution and testing of purified water for clinical laboratories <i>Oytun Portakal, Hacettepe University, Turkey</i>
13:45-13:55	O-064 Evaluation of CKD-EPI Pakistan equation for estimated glomerular filtration rate (eGFR) in Pakistan <i>Sibtain Ahmed, The Aga Khan University, Karachi Pakistan</i>
14:00-14:45	Plenary Lecture: <i>Moderator: Ferhan Sagin, Turkey</i> Galectin-3: from molecule to biomarker and back <i>Jerka Dumić, University of Zagreb Faculty of Pharmacy and Biochemistry, Croatia</i> ‘The FEBS National Lecturer’
14:45-16:30	SESSION 6 <i>Moderators: Fatma Taneli, Turkey - Sedat Abusoglu, Turkey</i>
14:45-15:15	Serum non-coding RNA profiling as a promising diagnostic approach <i>Christos Tsatsanis, University Of Crete Medical School, Greece</i>
15:15 - 15:45	Ethical challenges in (pharmaco) genetics <i>Marija Hiljadnikova-Bajro, Ss Cyril And Methodius University, Macedonia</i>
15:45 - 16:00	The relationship between adiposity parameters and hsC-reactive protein values in overweight and obese women <i>Aleksandra Atanasova Boshku, University Clinic For Gynecology And Obstetrics, Macedonia</i>
16:00-16:10	O-113 Transcriptomic meta-analysis in pancreatic ductal adenocarcinoma reveals therapeutic targets and diagnostic biomarkers <i>Sevcan Atay, Ege University, Turkey</i>
16:30-17:00	Coffee Break
17:00-18:00	Oral Presentations 11 <i>Moderators: Ferhan Sagin, Turkey - Dogan Yucel, Turkey</i> <i>Yasemin Aksoy, Turkey - Ozlem Dalmizrak, Turkey</i>
17:00-17:15	2018 Nazmi Ozer Award Recipient Presentation Molecular demultiplexer as a terminator automaton <i>Gurcan Gunaydin, Turkey</i>
17:15-17:30	2018 Nazmi Ozer Award Recipient Presentation Photodynamic activity properties of novel BODIPY compound against colorectal cancer cell line <i>Burak Barut, Karadeniz Technical University, Turkey</i>
17:30-17:45	2019 Nazmi Ozer Awards

SCIENTIFIC PROGRAM

30 October 2019, Wednesday

Time	HALL B
08:30-13:00	COURSE: Mass spectrometre use in clinical laboratory practice (Advance Course) <i>Ali Unlu, Selcuk University, Turkey - Muhittin Serdar, Acibadem University, Turkey - Sedat Abusoglu, Selcuk University Faculty of Medicine, Turkey</i>
13:15-14:00	Oral Presentations 12 <i>Moderators: Fatma Demet Arslan, Turkey - Muammer Yucel, Turkey</i>
13:15-13:25	O-065 The local technical validation of Barricor™ tube that uses a mechanical separator <i>Kamil Taha Ucar, Istanbul Gaziosmanpasa Taksim Training and Research Hospital, Turkey</i>
13:25-13:35	O-066 The utility of preanalytical quality indicators: a Turkish survey study <i>Hikmet Can Cubukcu, Erzurum Maresal Cakmak Devlet Hastanesi, Turkey</i>
13:35-13:45	O-067 A web-based application for management of quality control data <i>Deniz Ilhan Topcu, Bas Kent University, Turkey</i>
13:45-13:55	O-068 Quality control application for CBC parameters by 'Average of Normals' method <i>Ilknur Alkan Kusabbi, Health Sciences University, Turkey</i>
14:45-16:35	Oral Presentations 13 <i>Moderator: Meral Yuksel, Turkey</i>
14:45-14:55	O-069 Evaluation of the most common rejection reasons in the preanalytical process at our laboratory using six sigma analysis <i>Mehmet Akif Bozdayi, Gaziantep University, Turkey</i>
14:55-15:05	O-070
15:05-15:15	O-071 Analytical performance of Cobas 6500 for predicting urinary tract infection <i>Esra Firat Oguz, Ankara City Hospital, Turkey</i>
15:15-15:25	O-072 A comparison of Sysmex UF-5000 flow cytometer and Fuchs-Rosenthal Chamber in urine sediment analysis <i>Ozlem Unay Demirel, Bahcesehir University, Turkey</i>
15:25-15:35	O-073 Determination of serum carbamazepine by tandem mass spectrometry <i>Duygu Eryavuz Onmaz, Selcuk University, Turkey</i>
15:35-15:45	O-074 3D placental barrier models: a novel cryogel based method <i>Aysun Kilic Suloglu, Hacettepe University, Turkey</i>
15:45-15:55	O-075 Antioxidant effects of flavonoid neoeriocitrin on streptozotocin-induced INS-1E cell diabetic model <i>Elif Karacaoglu, Hacettepe University, Turkey</i>
15:55-16:05	O-076 In vitro investigation of Argiope bruennichi derived spider silk materials <i>Secil Karahisar Turan, Hacettepe University, Turkey</i>
16:05-16:15	O-077 MicroRNAs in patients with type 2 diabetic nephropathy <i>Kadriye Akpınar, Pamukkale University, Turkey</i>
16:15-16:25	O-078 Differentiation of Osteopetrotic IPSC to Osteoclasts: Comparison of Osteopetrotic & Healthy Osteoclast <i>Inci Cevher, Hacettepe University, Turkey</i>
16:25-16:35	O-079 Monodisperse-porous metal oxide microspheres with peroxidase/oxidase mimetic activity as a new tool for biomolecule determination <i>Sevim Eda Ogut, Hacettepe University, Turkey</i>
16:30-17:00	Coffee Break
18:00-19:00	Oral Presentations 14 <i>Moderators: Oguzhan Zengi, Turkey - Deniz Ilhan Topcu, Turkey</i>
18:10-18:20	O-081 Evaluation of analytical quality of cardiac biomarkers in the emergency laboratory by sigma metrics <i>Saadet Kader, Karapınar State Hospital, Turkey</i>
18:20-18:30	O-083 Automated vitamin D immunoassay comparison with LC-MS/MS method <i>Ercan Saruhan, Mugla Sitki Kocman University, Turkey</i>
18:30-18:40	O-084 Calculation of measurement uncertainty of three different biochemistry parameters <i>Seren Orhan, Gaziantep University, Turkey</i>
18:40-18:50	O-085 Development of a LC/MSMS method for quantification of adrenal-derived 11-oxygenated 19-carbon steroids <i>Ali Yaman, Marmara University, Turkey</i>

SCIENTIFIC PROGRAM

30 October 2019, Wednesday

Time	HALL C
08:30-10:00	Oral Presentations 15 <i>Moderators: Ercan Saruhan, Turkey - Bagnu Orhan, Turkey</i>
08:30-08:40	O-086 Structural bioinformatics approach in bioactive peptide research: tomato vicilin case study <i>Burcu Kaplan Turkoz, Ege University, Turkey</i>
08:40-08:50	O-087 In silico prediction of antidepressant-binding sites on human glutathione reductase <i>Kerem Terali, Near East University, Cyprus</i>
08:50-09:00	O-088 Smart approval service for biochemical tests <i>Ali Ozen Akyurek, Ventura Software Inc., Ankara, Turkey</i>
09:00-09:10	O-089 Evaluation of saliva kallikrein-8 levels related with stress <i>Rabia Semsî, Gazi University, Turkey</i>
09:10-09:20	O-090 The evaluation of ADAMTS-1 and ADAMTS-13 levels at coronary collateral circulation <i>Abdulhakim Hasan Gul, Onsekiz Mart University, Turkey</i>
09:20-09:30	O-091 Apelin and other adipokines as potential biomarkers in myocardial ischemia <i>Mehmet Ali Gul, Ataturk University, Turkey</i>
09:30-09:40	O-092 Relationship between platelet activating factor acetylhydrolase and cardiac valvular calcification in dialysis patients <i>Serkan Bolat, University of Health Sciences, Turkey</i>
09:40-09:50	O-093 Determination of ADMA and ghrelin levels as a marker of endothelial dysfunction in asthma patients <i>Burcu Baba, Yüksek İhtisas University, Turkey</i>
09:50-10:00	O-094 Antimicrobial and antioxidant activities of <i>Lactarius deliciosus</i> <i>Elif Sevinc, Hitit University, Turkey</i>
10:00-10:30	Coffee Break
13:15-14:00	Oral Presentations 16 <i>Moderators: Aysegul Cort, Turkey - Aysun Kilic Suloglu, Turkey</i>
13:15-13:25	O-095 Telmisartan and irbesartan alleviate methylglyoxal-induced elevation of MG-H1 in VSMCs <i>Mustafa Kirca, Kutahya Health Sciences University, Turkey</i>
13:25-13:35	O-116 Drug-induced (quinine) acute hepatitis with high level of serum vitamin B12 <i>Ozlem Ozun, University of Health Sciences Suat Seren Chest Diseases and Surgery Training and Research Hospital, Turkey</i>
13:35-13:45	O-097 Relationship between lipoprotein(a) and other lipids in children <i>Fatime Merdan, Child Health and Diseases Training and Research Hospital, Turkey</i>
13:45-13:55	O-098 Relationship between B-HCG and LUC% levels <i>Funda Eren, Ankara City Hospital, Turkey</i>
14:45-16:35	Oral Presentations 17 <i>Moderators: Cigdem Sonmez, Turkey - Burak Barut, Turkey</i>
14:45-14:55	O-099 Biological variation of beta-trace protein, a novel marker for eGFR along with traditional markers <i>Banu Isbilen Basok, Health Sciences University, Turkey</i>
14:55-15:05	O-100 Calculation of APTT and PT reference intervals from patient data and evaluation of preoperative test utilisation in surgical patients <i>Neslihan Cihan, Ankara Health Research and Training Hospital, Turkey</i>
15:05-15:15	O-101 ICD code specific normal ranges are needed, particularly in total bilirubin in this case <i>Ozgur Aydin, Kepez Public Hospital, Turkey</i>
15:15-15:25	O-102 Pending laboratory tests at discharge in emergency department <i>Murat Alisik, Polatli State Hospital, Turkey</i>
15:25-15:35	O-103 The effect of blood lactate levels on mortality in patients with sepsis <i>Kamile Yucel, KTO Karatay University School of Health Sciences, Turkey</i>
15:35-15:45	O-104 The anti-inflammatory effects of orexin receptor antagonist on endotoxemia induced sepsis model <i>Evren Kilinc, Acibadem Mehmet Ali Aydinlar University, Turkey</i>
15:45-15:55	O-105 Correlation of CRP with blood-based inflammatory markers; large cohort study <i>Sibel Soylemez, Gazi University, Turkey</i>
15:55-16:05	O-106 Serum cytokine and complement levels in ALS and their association with LRP antibody positivity <i>Murat Giris, Istanbul University, Turkey</i>
16:05-16:15	O-107 The relationship between standard sedo-analgesia implementation and serum procalcitonin levels in intensive care unit <i>Yesim Guvenc Demiragci, Manisa Celal Bayar University, Turkey</i>
16:15-16:25	O-108 Midkine can not be accepted as a new biomarker for the diagnosis and the treatment of unexplained female infertility <i>Mine Erguven, Istanbul Aydin University, Turkey</i>
16:25-16:35	O-109 Perspective of C-peptide from diabetes window <i>Saadet Kader, Selcuk University, Turkey</i>
16:30-17:00	Coffee Break
18:00-19:00	Oral Presentations 18 <i>Moderators: Berrin Bercik Inal, Turkey - Feyza Yagmur Tekeli, Turkey</i>
18:00-18:10	O-110 Development and validation of a biosensor for measurement of serum hypoxia-inducible factor-1 <i>Zihni Onur Uygun, Ege University, Turkey</i>
18:10-18:20	O-111 A fast and convenient UPLC - MSMS Method for routine analysis of GALT activity from dried blood spot <i>Muhammet Topbaş, Ege University, Turkey</i>
18:20-18:30	O-112 Magnetic bead based electrochemical food and enzyme activity analysis by using SPE dependent immunosensors <i>Ebru Saatci, Erciyes University, Turkey</i>
18:30-18:40	O-114 Assessment of vitamin D levels in Şanlıurfa region <i>Oruc Aslan, Harran University Medical School, Turkey</i>
18:40-18:50	O-115 The role of HDL-associated MPO and PON-1 for coronary artery disease in Hashimoto thyroiditis <i>Gizem Uncu, Hitit University, Turkey</i>

SCIENTIFIC PROGRAM

31 October 2019, Thursday

Time	HALL A
09:00-10:30	SESSION 7 <i>Moderators: Gultekin Yucel, Turkey - Güzin Aykal, Turkey</i>
09:00-09:30	Clinical and laboratory approach to inborn errors of metabolism <i>Ali Dursun, Hacettepe University, Turkey</i>
09:30-10:00	Metabolomics and biomarkers in inborn errors of metabolism <i>Incilay Lay, Hacettepe University, Turkey</i>
10:00-10:30	Genetic technologies in inborn errors of metabolism <i>Didem Yucel Yılmaz, Hacettepe University, Turkey</i>
10:30-11:00	Coffee Break
11:00-11:30	CLOSING CEREMONY OF THE CONGRESS