



8. kongres Hrvatskog društva za medicinsku biokemiju i laboratorijsku medicinu s međunarodnim sudjelovanjem

8th Congress of the Croatian Society of Medical Biochemistry and Laboratory Medicine
with international participation

Rijeka, Croatia
22. - 26. rujan 2015.
22 - 26 September 2015

Pokrovitelji / Auspices:



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International Federation of Clinical Chemistry and Laboratory Medicine – IFCC
European Federation of Clinical Chemistry and Laboratory Medicine – EFLM
Ministarstvo znanosti, obrazovanja i sporta Republike Hrvatske /
Republic of Croatia Ministry of Science, Education and Sports
Ministarstvo zdravljia Republike Hrvatske /
Republic of Croatia Ministry of Health

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Ako u gradu postoji

Riječanima omiljena ulica onda je to

Korzo. Već od prvih dana 1780. godine, Korzo ima ulogu susretišta. Zaželete li se Riječani opuštena razgovora „uživo“, Korzo im je uvijek rješenje na dohvat ruke, tj. noge. Iako je dugo samo 360 m, prolazak njime može potrajati satima, sve zbog niza susreta koji ne mogu proći bez kratkog čavrljanja.

If there is a street the citizens of Rijeka are especially fond of, it is Korzo. From its first days in 1780, Korzo has a role of encounter for all the citizens, and if they have a need for a relaxed “live” conversation with their friends, Korzo is always the solution. Although it is only 360 m long, passing it can take hours, due to the series of meetings with inevitable brief chats.





ORGANIZATOR ORGANIZER



Hrvatsko društvo za medicinsku biokemiju i laboratorijsku medicinu (HDMBLM)
Croatian Society of Medical Biochemistry and Laboratory Medicine (CSMBLM)

ZNANSTVENI ODBOR SCIENTIFIC COMMITTEE

Lidija Bilić-Zulle, predsjednica / president

Karmela Barišić
Lorena Honović
Nora Nikolac
Daria Pašalić
Dunja Rogić
Ana-Maria Šimundić

U zgradi HNK Ivana pl. Zajca nalaze se tri djela slavnog slikara Gustava Klimta koje predstavljaju bogatstvo vrijednije i od same zgrade kazališta.

The building of the Croatian National Theatre Ivan Zajc hides three paintings of the famous painter Gustav Klimt which are actually worth more than a building itself.



ORGANIZACIJSKI ODBOR ORGANIZING COMMITTEE

Koraljka Mittel, predsjednica / president

Dragana Antončić
Merica Aralica
Vedrana Drvar
Snježana Hrabrić Vlah
Nora Nikolac
Vesna Šupak Smolčić
Anđela Žic

TAJNIŠTVO KONGRESA CONGRESS SECRETARIAT

Jasna Đogić – tajnica / secretary

e-mail: info.Rijeka2015@hdmbbm.hr
<http://kongresrijeka2015.hdmbbm.hr>

Hrvatsko društvo za medicinsku biokemiju i laboratorijsku medicinu
Croatian Society of Medical Biochemistry and Laboratory Medicine

Boškovićeva 18
10000 Zagreb, Hrvatska / Croatia
tel/fax: +385 1 48 28 133

MJESTO ODRŽAVANJA KONGRESA CONGRESS VENUE

**Hrvatski kulturni dom na Sušaku
i Hotel Neboder**

**Croatian Cultural Centre Sušak
and Hotel Neboder**

Strossmayerova 1
51000 Rijeka, Croatia



Može li uspješno arhitektonsko djelo svom autoru doći glave čak prije nego što se ostvari? Upravo tu priču nosi Hrvatski kulturni dom na Sušaku. Naime, 1935. godine otvoren je natječaj za gradnju višenamjenskog kulturnog doma s ciljem da bude kulturni svjetionik tadašnje države Jugoslavije. Mladi arhitekt Josip Pičman tada je ponudio rješenje 14 katova visokog nebodera sa svih strana obloženog stakлом što je u to vrijeme bilo revolucionarno rješenje. Također, na vrhu nebodera trebao se nalaziti bazen, a cijeli prostor trebao je uključivati koncertnu dvoranu, gradski muzej, knjižnicu i prostor za djelovanje kulturnih društava. Pičman je pobjedio na natječaju, ali je zbog finansijske situacije kasnila realizacija. U strahu da je zapravo realizacija njegovog rješenja nepovratno izgubljena, Pičman je iz očaja počinio samoubojstvo samo dan prije nego što je na sjednici u Beogradu odlučeno da sljedeći dan kreće ostvarenje projekta. Da je sagrađen, sušački bi ostakljeni neboder bio prvijenac u Europi. Projekt izgradnje nastavio je njegov kolega Alfred Albini koji je preinačio početni projekt na ogorčenje svih turističkih djelatnika. Današnji objekt Kulturni dom na Sušaku cijeli je obložen bijelim mramorom što mu daje spomeničke konotacije, a Hotel Neboder Riječani i dalje poznaju pod nazivom Sušački neboder, čime se očuvao spomen na dio Rijeke na lijevoj obali Rječine koji je do 1947. godine funkcionirao kao zaseban grad.

Can a successful architectural work be fatal for its author even before it was realized? Well, exactly this sad story is behind realization of Croatian Cultural Centre in Sušak. In 1935 tender for the construction of multi-purpose cultural center was opened in order to become a place with a meaning of cultural "lighthouse" of the former state of Yugoslavia. Young architect Josip Pičman offered his project and design of 14 floors tall skyscraper coated in glass, which was a revolutionary solution at that time. Also, on the top of a skyscraper there should have been the pool, and the whole area was imagined to include a concert hall, the city museum, a library and a space for a cultural society. Pičman's project won the competition but due to the financial crisis the implementation was delayed. As years gone by and project was still in form of paper documentation, Pičman was in fear that the realization of its solutions is irretrievably lost. In a moment of despair he committed suicide just one day before the government in Belgrade decided to start its realization. If it had been built, Sušak skyscraper would have been the first glass gazed skyscraper built in Europe. Project construction continued his colleague Alfred Albini who reversed the initial project which caused great disappointment and outrage of all tourism workers. Today's facility Cultural Centre in Sušak is completely covered in white marble so it looks like a monument. Among the citizens of Rijeka, Hotel Neboder is still known by the name "Sušak skyscraper" in the memory of part of the city Sušak on the left bank of the river Rječina that was set apart until 1947.



Drage kolegice i kolege, dragi prijatelji,

osobita nam je čast i zadovoljstvo poželjeti vam dobrodošlicu na 8. kongres Hrvatskog društva za medicinsku biokemiju i laboratorijsku medicinu s međunarodnim sudjelovanjem. Ponos na činjenicu da se kongres održava u Rijeci, gradu u kojem radimo i živimo, čini velik izazov još većim. Poput laboratorijske medicine, i grad Rijeka je često nepravedno gurnut izvan fokusa javnosti pa je dodatni motiv da okupljanjem medicinskih biokemičara upravo u Rijeci, naučimo ponešto novo i promijenimo pogled na poznato.

Kroz četiri dana održavanja kongresa sastavljen je program simpozija i plenarnih predavanja te pozvan niz uglednih svjetskih i domaćih predavača. Nadamo se kako će svi sudionici pronaći interes, prepoznati važnost tema i iznaći smjernice za napredak u struci i svakodnevnom radu.

Prezentacija vaših rezultata, rješenja i opažanja pravo je vrelo vrijednih znanstvenih i iskustvenih informacija stoga vas pozivamo da posjetite i postersku izložbu koja će biti postavljena tijekom cijelog trajanja kongresa. Na taj će se način raspraviti sve ono što temama simpozija ne bude obuhvaćeno, a važno je u rutinskom i znanstvenom radu.

Na kongresu imate priliku poslušati i novosti koje vam nude naši partneri, brojni proizvođači. Oni će vam kroz industrijske radionice i izložbu prikazati nove mogućnosti za razvoj vašeg laboratorija.

Osim ovog bogatog radnog dijela, za vas smo priredili atraktivan i zanimljiv društveni program, kojim ćemo nastojati dočarati bogatu tradiciju grada Rijeke i njene okolice, ali i alternativnu scenu koju Rijeka predstavlja.

Toplu dobrodošlicu u ime članica Znanstvenog i Organizacijskog odbora želimo svim sudionicima, predavačima, uvaženim gostima te sponzorima i izlagачima, sa smjernom željom da ovaj kongres bude inspirativan za razvoj struke i poticanj za nove ideje.

Dobrodošli u Rijeku!

Lidija Bilić-Zulle
Predsjednica Znanstvenog odbora

Koraljka Mittel
Predsjednica Organizacijskog odbora

Dear colleagues, dear friends,

It is our great honor and pleasure to welcome you to the 8th Congress of the Croatian Society of Medical Biochemistry and Laboratory Medicine with international participation. Rijeka is our home town and the city where we work, which makes our tasks even more challenging. Just as laboratory medicine is often pushed out of central focus in medicine, the city of Rijeka is also sometimes unfairly pushed out of public focus. We were strongly motivated to prove that both of these facts were misconception, to learn something new and to change our view on the things we know.

During four Congress working days we created symposia and plenary lectures focused on everyday problems and issues in modern laboratory practice. Numerous distinguished national and international lecturers were invited to deliver that task. We therefore strongly believe that all participants will recognize the importance of selected topics and find guidance for improving their work.

The presentation of your results in form of poster abstracts is a valuable source of scientific and practical information, therefore, we invite you to visit poster exhibition displayed throughout Congress duration. This will be an opportunity to discuss important routine and scientific laboratory topics that will not be covered by Congress symposia.

Congress is the place to hear the news from our partners, numerous manufacturers. Through industry sponsored workshops and exhibition they will present new possibilities for development of your laboratory.

Besides this rich official part of the Congress, we have prepared attractive and interesting program of social events. We will try to present rich tradition of the city of Rijeka and its surrounding area but also an alternative scene that Rijeka presents.

On behalf of all the members of the Scientific and Organizing Committee, we warmly welcome all participants, lecturers, esteemed guests, sponsors and exhibitors hoping that this Congress will be the source of new inspiration and ideas for further work.

Welcome to Rijeka!

Lidija Bilić-Zulle
President of Scientific Committee

Koraljka Mittel
President of Organizing Committee



Dragi kolege, sudionici kongresa i cijenjeni gosti,

U ime Hrvatskog društva za medicinsku biokemiju i laboratorijsku medicinu želim vam srdačnu dobrodošlicu na 8. kongres Hrvatskog društva za medicinsku biokemiju i laboratorijsku medicinu koji se ove godine održava u prekrasnom i živom gradu Rijeci. Ovaj je kongres najveći znanstveni i stručni događaj za laboratorijsku medicinu u Hrvatskoj koji se neprekidno održava već više od 20 godina. Budimo na to ponosni!

Kongres je oduvijek predstavljao priliku za dijeljenje znanja i iskustava među kolegama, priliku za stjecanjem najnovijih saznanja u struci, mogućnost za raspravu, postavljanje pitanja i dobivanje odgovora. Mnogi su vrhunski stručnjaci i svjetski poznati znanstvenici bili pozvani predavači dosadašnjih godina, a svaki je idući kongres bio bolji od prethodnog. Takav će biti i ovaj! Ove godine ponovno imamo čast i privilegiju učiti od najboljih. Znanstveni odbor kongresa odradio je izvrstan posao te priredio izazovni znanstveni program koji pokriva neke od najvažnijih tema laboratorijske medicine danas. Nadam se kako ćete uživati u njihovom izboru tema i predavača.

Također želim zahvaliti Organizacijskom odboru kongresa na njihovom vrijednom radu i trudu. Organizacija ovako visokog skupa zahtjeva neumoran trud i vrijedan rad mnogih pojedinaca. Ovom prilikom želim izraziti svoju zahvalnost i priznanje svima njima.

I posljednje, ali ne i najmanje važno, hvala našim IVD partnerima, sponzorima i izlagačima na njihovoj velikodušnoj podršci.

Nadam se kako ćete uživati u znanstvenom, ali i društvenom programu ovog kongresa. Želim vam ugodan boravak u Rijeci!

Ana-Maria Šimundić

Predsjednica Hrvatskog društva za medicinsku biokemiju i laboratorijsku medicinu

Dear colleagues, participants and honored guests,

On behalf of the Croatian Society of Medical Biochemistry and Laboratory Medicine I wish to warmly welcome you to the 8th Congress of the Croatian society of medical biochemistry and laboratory medicine, which takes place this year in the beautiful and vibrant city of Rijeka. This Congress is the largest scientific and professional event in laboratory medicine in Croatia, being continuously organized for more than 20 years. We should be proud of that!

Congress has always been the opportunity to share the knowledge and experience with colleagues, to learn about the latest developments in the profession, engage in discussions, raise questions and provide answers. Over the years we have hosted some of the top experts and world renowned scientists as our guest speakers. And every Congress has been better than the previous. And so will be this one! This year we again have the honor and privilege to learn from the best. Scientific Committee has done an excellent job by creating a challenging scientific program tailored to cover some of most important issues in laboratory medicine nowadays. I hope that you will enjoy their selection of topics and presenters.

I also wish to thank the Organizing Committee for their hard work and their efforts. Organizing such a high profile event requires tireless effort and hard work by many individuals. I take this occasion to express my deepest gratitude and appreciation to all of them.

And last, but not the least, I thank our IVD partners, sponsors and exhibitors for their kind and generous support.

I hope you will enjoy the scientific as well as the social part of this congress and I wish you a pleasant stay in Rijeka!

Ana-Maria Simundic
Croatian Society of Medical Biochemistry and Laboratory Medicine, President



UVODNI PREDAVAČ KEY NOTE LECTURER

Arijana Meštrović (Zagreb, Croatia)

PLENARNI PREDAVAČI PLENARY LECTURERS

Mauro Panteghini (Milano, Italy)

Mario Plebani (Padova, Italy)

Anna Carobene (Milano, Italy)

VODITELJI SIMPOZIJA SYMPOSIA CHAIRS

Lidija Bilić-Zulle (Rijeka, Croatia)

Karmela Barišić (Zagreb, Croatia)

Željko Debeljak (Osijek, Croatia)

Lorena Honović (Pula, Croatia)

Nora Nikolac (Zagreb, Croatia)

Daria Pašalić (Zagreb, Croatia)

Dunja Rogić (Zagreb, Croatia)

Ana-Maria Šimundić (Zagreb, Croatia)

PREDAVAČI LECTURERS

Éva Ajzner (Debrecen, Hungary)

Lidija Bilić-Zulle (Rijeka, Croatia)

Karmela Barišić (Zagreb, Croatia)

Désirée Coen Herak (Zagreb, Croatia)

Ivana Ćelap (Zagreb, Croatia)

Željko Debeljak (Osijek, Croatia)

Walter G. Guder (Münich, Germany)

Andreas Hillarp (Halmstad, Sweden)

Lorena Honović (Pula, Croatia)

Giuseppe Lippi (Parma, Italy)

Mary L. McHugh (Los Angeles, California, USA)

Marijana Miler (Zagreb, Croatia)

Rafael Molina (Barcelona, Spain)

Nora Nikolac (Zagreb, Croatia)

1833. proradio je u Tvornici papira prvi parni stroj u ovome dijelu Europe. Spomenuta tvornica je sve do prestanka rada 2005. godine činila 5% ukupne svjetske proizvodnje cigaretnog papira.

In 1833 the first steam engine in this part of a Europe started running in Rijeka's Paper factory. This factory had produced 5% of total world production of cigarette paper until it was closed in 2005.



Daria Pašalić (Zagreb, Croatia)
Mladen Petrovečki (Zagreb, Croatia)
Zdravka Poljaković (Zagreb, Croatia)
Vanja Radišić Biljak (Zagreb, Croatia)
Ante Reljić (Zagreb, Croatia)
Dunja Rogić (Zagreb, Croatia)
Lada Rumora (Zagreb, Croatia)
Ana-Maria Šimundić (Zagreb, Croatia)
Zorica Šumarac (Belgrade, Serbia)
Annette Thomas (Cardiff, UK)
Igor Tomašković (Zagreb, Croatia)
Adriana Unić (Zagreb, Croatia)
Željka Vogrinc (Zagreb, Croatia)

UVODNI PREDAVAČ KEY NOTE LECTURER



dr. sc. Arijana Meštrović

Dr. sc. Arijana Meštrović je magistra farmacije s dugogodišnjim iskustvom u ljekarničkoj praksi i edukaciji. Aktivno je uključena u rad međunarodnih institucija kao što su FIP (engl. *International Pharmaceutical Federation*), ACPE (engl. *Accreditation Council of Pharmacy Education*), PCNE (engl. *Pharmaceutical Care Network of Europe*), CoDEG (engl. *Competency Development and Evaluation Group*) i Europharm Forum. Kroz vlastitu agenciju za savjetovanje i edukaciju Pharma Expert, sada s već 80-ak partnera, radi na implementaciji ljekarničke skrbi u ljekarnama, uvođenju novih usluga za pacijente, te razvoju ljekarničkih kompetencija u Hrvatskoj i cijeloj regiji, što je područje i njenog znanstvenog interesa. Trener je prodajnih, komunikacijskih i prezentacijskih vještina. Njena predavanja i radionice adresiraju sve kategorije ljekarničkih kompetencija – znanje, iskustvo i ponajviše motivaciju. Posvećena ideji da je implementacija i provedba napredne ljekarničke prakse na ovim prostorima moguća i nužna, u svojim predavanjima nudi praktična rješenja i alate za to ostvarenje kroz sustav cjeloživotnog usavršavanja. Surađuje sa svim strukovnim institucijama u regiji, te je često pozivani predavač i moderator na međunarodnim konferencijama.

Studentima farmacije u Zagrebu i Splitu, gdje je predavač i viši znanstveni asistent predaje Stručnu praksu, Društvenu farmaciju i Ljekarničku skrb. Trenutno se usavršava na American College of Clinical Pharmacy (Chicago, Illinois, USA) u području kliničke farmacije unutar specijalizacije Pharmacotherapy – Ambulatory Care. Predavač je i

Utorak, 22. rujan 2015.
Tuesday, 22 September 2015
18:30 - 19:15

Razvoj kompetencija u biomedicini
Competency development in biomedicine

Arijana Meštrović, Ph. D., is a master of pharmacy, experienced in pharmaceutical practice and education. She is actively involved in the work of international institutions like FIP (International Pharmaceutical Federation), ACPE (Accreditation Council of Pharmacy Education), PCNE (Pharmaceutical Care Network of Europe), CoDEG (Competency Development and Evaluation Group) and Europharm Forum. Through the work of her own agency for counseling and education, Pharma Expert, which nowadays gathers 80 partners already, she works on implementation of pharmaceutical care in pharmacies, introduction of new services for patients, and development of pharmaceutical competences in Croatia and whole region, which is her main field of research interest. She coaches sale, communication and presentation skills. Her lectures and workshops address all the categories of pharmaceutical competences – knowledge, experience and motivation. She is dedicated to the idea that implementation of advanced pharmaceutical practice in this region is possible and absolutely necessary. In her lectures she gives practical solutions and tools for achieving that implementation throughout lifelong education. She cooperates with all professional institutions in this region and she is often invited lecturer and moderator in international conferences. She teaches Profession practice, Social pharmacy and Pharmaceutical care and she is Senior Science Assistant for pharmacy students in Zagreb and Split. Right now she is in training program of American College of Clinical Pharmacy in a field of clinical pharmacy as a part of specialization program Pharmacotherapy -

mentor na međunarodnom studiju farmacije na Cipru, Near East University gdje predaje Ljekarničku skrb i Kolaborativnu praksu. Globalni standar evaluacije i razvoja kompetencija FIP Global Competency Framework prilagodila je hrvatskom ljekarništvu razvijajući i usavršavajući ga u uspješno brendiranom ljekarničkom lancu FARMACIA u kojem je 5 godina kontinuirano radila s magistrama farmacije, farmaceutskim tehničari-ma i pripravnicima. Rezultate je objavila u AJPE (engl. *American Journal of Pharmacy Education*) 2011. i 2012. godine, te u svom doktoratu.

Na temelju uspješnih implementacija istog modela u Srbiji, Makedoniji, Crnoj Gori, te Bosni i Hercegovini, reprezentira CoDEG na području cijele Europe. Predsjednica je FIP-ovog stručnog odbora za svjetski farmaceutski kongres i ekspertni član Odbora za farmaceutsku praksu (FIP Board of Pharmaceutical Practice). Pri Hrvatskoj ljekarničkoj komori Predsjednica je Povjerenstva za unaprjeđenje ljekarničke prakse. U Hrvatskom farmaceutskom društvu aktivan je član Znanstvenog odbora za organizaciju stručnih skupova, savjetovanja i kongresa, te čest predavač i moderator na radionicama trajnog usavršavanja. Zajedno sa svjetski vodećim stručnjakom iz područja kvalitete edukacije u farmaciji, g. Michaelom Rousom (ACPE, SAD) koautor je FIP-ovog globalnog dokumenta Quality Assurance of Pharmacy Education: the FIP Global Framework 3. Unutar ovog partnerstva, također je stručni konzultant za TPA (Turkish Pharmacists Association, Ankara, Turkey) u reviziji edukacijskog modela za cjeloživotno usavršavanje farmaceuta u Turskoj koji je upravo u tijeku.

Ambulatory Care. She is lecturer and mentor on International College of pharmacy in Cyprus (Near East University) where she gives lectures on Pharmaceutical care and Collaborative practice. She has adjusted Global standard of evaluation and development of competences FIP Global Competency Framework for Croatian pharmacy by developing and improving successful pharmacy chain brand FARMACIA, where she has continuously worked for 5 years with masters of pharmacy, pharmaceutical technicians and interns. She has published her results in AJPE (American Journal of Pharmacy Education) 2011 and in her doctoral work.

Based on successful implementation of same model in Serbia, Macedonia, Montenegro and Bosnia and Herzegovina, she represents CoDEG in whole Europe. She is the president of FIP expert committee for world pharmacy congress and expertise member of Board of Pharmaceutical Practice. She is a president of Commission for improvement of Pharmaceutical Practice at Croatian pharmacy chamber. At Croatian pharmaceutical society she is an active member of the Scientific committee for organization of professional conferences, counseling meetings and congresses and also lecturer and moderator of workshops for lifelong education. In collaboration with global leader in the field of education quality in pharmacies, Mr. Michael Rous (ACPE, SAD) she is coauthor of FIP global document Quality Assurance of Pharmacy Education: the FIP Global Framework 3. In this partnership she is also professional consultant for TPA (Turkish Pharmacists Association, Ankara, Turkey) on revision of educational model of lifelong education for pharmacists in Turkey which is in progress at this moment.



Na sjevernoj strani riječkog Koblerovog trga postoje ostaci vrata podignutih u vrijeme Rimljana u 1. stoljeću koja su služila kao ulaz u Rimski principij u središtu grada.

On the north side of the Rijeka Kobler Square you can see remains of the doors built in the time of Romans in the 1st century that served as the entrance to the Roman Principia in a city center.

PLENARNI PREDAVAČ PLENARY LECTURER



Prof. dr. sc. Mauro Panteghini

Prof. dr. sc. Mauro Panteghini, dr. med., specijalist laboratorijske medicine, redoviti je profesor Kliničke biokemije i Kliničke molekularne biologije na Medicinskom fakultetu Sveučilišta u Miljanu. Trenutno obnaša funkcije pročelnika Katedre za kliničku biokemiju i kliničku molekularnu biologiju na Medicinskom fakultetu Sveučilišta u Miljanu, pročelnika Odjela za laboratorijsku medicinu i pročelnika Laboratorija za kliničku patologiju sveučilišne bolnice „Luigi Sacco“ u Miljanu, Italija. Ravnatelj je Centra za mjernu sljedivost u laboratorijskoj medicini (CRIME) Sveučilišta u Miljanu i voditelj Akreditiranog referentnog laboratorija priznatog od Odbora za sljedivost u laboratorijskoj medicini (JCTLM).

Prof. dr. sc. Panteghini je aktivan u brojnim nacionalnim i međunarodnim znanstvenim projektima iz područja laboratorijske medicine. Predsjednik je Europske federacije za kliničku kemiju i laboratorijsku medicinu (EFLM).

Autor je više od 450 znanstvenih i stručnih radova (h-indeks 43) te više od 420 sažetaka. Održao je više od 100 pozvanih predavanja na nacionalnim i međunarodnim kongresima te više od 170 prezentacija na stručnim skupovima i radionicama.

Srijeda, 23. rujan 2015.
Wednesday, 23 September 2015
11:00 - 12:00

Harmonizacija u laboratorijskoj medicini
Global harmonization in laboratory medicine

Prof. Mauro Panteghini, Ph.D., Postgraduate in Laboratory Medicine, is full Professor of Clinical Biochemistry and Clinical Molecular Biology at University of Milano Medical School. His institutional positions are Director of the Chair of Clinical Biochemistry and Clinical Molecular Biology at the Medical School of the University of Milan, Italy. Director of the Department of Laboratory Medicine and Director of Laboratory of Clinical Pathology of the “Luigi Sacco” University Hospital in Milan, Italy. Director of the Centre for Metrological Traceability in Laboratory Medicine (CIRME) of the University of Milan and Responsible of the Accredited Reference Laboratory (a JCTLM listed reference laboratory service).

Prof. Panteghini has served in a number of international and national scientific activities in the field of Laboratory Medicine. He is currently President of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM).

He has published more than 450 manuscripts (h-index 43) and more than 420 abstracts. He presented over 100 invited lectures during international and national congresses and over 170 presentations at meetings or workshops.

PLENARNI PREDAVAČ PLENARY LECTURER



Prof. dr. sc. Mario Plebani

Prof. dr. sc. Mario Plebani diplomirao je *summa cum laude* na Medicinskom fakultetu Sveučilišta u Padovi 1975. godine. Na istom sveučilištu položio je stručni staž, specijalizaciju iz laboratorijske medicine (1978. godine) i specijalizaciju iz gastroenterologije (1983). Redoviti je profesor Kliničke biokemije i Kliničke molekularne biologije na Medicinskom fakultetu Sveučilišta u Padovi. Predstojnik je Odjela za laboratorijsku medicinu Sveučilišne bolnice u Padovi i voditelj Centra za biomedicinska istraživanja, specijaliziranog centra za kvalitetu u laboratorijskoj medicini za regiju Veneto, Italija. Trenutno je član uprave Sveučilišta u Padovi gdje je od 2006. do 2012. godine bio voditelj za poslijediplomski studij iz Kliničke biokemije Medicinskog fakulteta, a od 2008. do 2012. godine voditelj Studija za zdravstvene tehnologe. Počasni je profesor na Fakultetu za farmaciju i biokemiju Sveučilišta u Buenos Airesu, Argentina. Od 2004. do 2008. godine bio je predsjednik Međunarodnog društva za enzimologiju, predsjednik Talijanskog društva za kliničku biokemiju i molekularnu kliničku biologiju bio je 2003. i 2007. - 2009. godine, a predsjednik Udruženja talijanskih društava za laboratorijsku medicinu (FISMeLAB) od 2009. do 2012. godine. Član je Radne grupe za biomarkere u kardiologiji Europskog društva za kardiologiju (ESC) i od nedavno član Radne grupe za biomarkere Društva za akutno kardiovaskularno liječenje (ACCA).

Prof. dr. sc. Plebani je glavni urednik časopisa Clinical Chemistry and Laboratory Medicine, jedan od glavnih urednika časopisa Diagnosis i pomoćni urednik časopisa International Journal of Biological Markers.

Četvrtak, 24. rujan 2015.
Thursday, 24 September 2015
11:00 - 12:00

Indikatori kvalitete u laboratorijskoj medicini
State of the art of laboratory quality indicators

Mario Plebani obtained his medical degree *summa cum laude* from the Medical School of the University of Padova in 1975. He completed residency training and specialization in Laboratory Medicine (1978), and subsequently in Gastroenterology (1983), at the same University. He is full Professor of Clinical Biochemistry and Clinical Molecular Biology at the School of Medicine, University of Padova. He is Chief of the Department of Laboratory Medicine at the University-Hospital of Padova, Chief of the Center of Biomedical Research (a specialized Center for quality in laboratory medicine for the Veneto Region, Italy). Currently, he is member of the Board of Management of the University of Padova in which he covered the position of Director of the Post-graduate School in Clinical Biochemistry at the Medical School from 2006 to 2012, and President of the Course for Medical Technologists from 2008 to 2012. Honorary Professor at the University of Buenos Aires, Argentina, Facultad de Farmacia y Bioquímica he served as President of the International Society of Enzymology for four years (2004-2008), as President of the Italian Society of Clinical Biochemistry and Molecular Clinical Biology for five years (in 2003 and from 2007 to 2009) and President of the Federation of Italian Societies of Laboratory Medicine (FISMeLAB) from 2009 to 2012. He is a member of the Study Group on Biomarkers in Cardiology of the European Society of Cardiology (ESC) Working Group on Acute Cardiac Care and, more recently of the TC - Study group on Biomarkers of the Acute Cardiovascular Care Association (ACCA).

Objavio je 880 znanstvenih i stručnih članaka, više od 900 sažetaka te nekoliko knjiga i poglavlja u knjigama, H1 64 (13351 citata, prosječno godišnje 371 citat) i čimbenik odjeka 877,495 u posljednje tri godine. Pozvani je predavač na mnogim nacionalnim i međunarodnim skupovima i konferencijama poput godišnjih sastanaka Američkog društva za kliničku kemiju (AACC) 1998, 2005. i 2007. – 2012. godine, Međunarodnim IFCC/EFCC kongresima u Firenci (1999), Kyotu (2002), IFCC-FESSC EuroMedLab u Pragu (2001), Barceloni (2003), Glasgowu (2005), Innsbrucku (2009), Berlinu (2012) i Milanu (2013). Kao počasni predavač na mnogim nacionalnim skupovima društava članica IFCC-a poput Australije, Ujedinjenog Kraljevstva, Irske, Španjolske, Švicarske, Belgije, Finske, Turske, Čilea, Argentine, Urugvaja i Perua. Dobitnik je mnogih nagrada poput nagrade za dostignuće i originalno istraživanje u kliničkoj enzimologiji, Međunarodnog društva za kliničku enzimologiju (ISE) 1991. godine; nagrada za poseban doprinos u razvoju upravljačkih procesa, Odjela za upravljačke procese AACC 2007. godine; nagrada za poseban doprinos sigurnosti pacijenata u području kliničkog laboratorija, AACC 2008. godine; Nagrada za međunarodne predavače Društva za kliničku biokemiju Ujedinjenog Kraljevstva 2011. godine; posebna nagrada za laboratorijsku medicinu i skrb o bolesniku; IFCC 2014. godine; nagrada za poseban doprinos u kliničkoj kemiji iz odabranih istraživačkih područja AACC/NACB 2014. godine; nagrada „Travelling Lecture“ Kanadskog društva za kliničku kemiju 2014. godine.

Njegovo glavno područje istraživačkog interesa je kvaliteta u laboratorijskoj medicini, dijagnostičke i laboratorijske pogreške, biomarkeri u malignim i kardiovaskularnim bolestima i in vitro dijagnostika alergijskih bolesti.

Prof. Plebani is Editor-in-Chief of Clinical Chemistry and Laboratory Medicine, and co-Editor in Chief of Diagnosis and Associate editor of the International Journal of Biological Markers.

He has published 880 full papers, more than 900 abstracts and several books and book chapters, H1 64 (13.351 citations with an average per year of 371 citations), and an Impact Factor of 877.495 in the last three years. He was invited speaker at many national and international meetings and conferences such as the AACC annual meetings in 1998, 2005 and 2007-2012, the IFCC/EFCC International Congresses in Florence (1999), Kyoto (2002), the IFCC-FESSC EuroMedLab in Prague (2001), Barcelona (2003), Glasgow (2005), Innsbruck (2009), Berlin (2012) and Milan (2013). He has been invited as key-note speaker at many national meetings of IFCC member societies, including Australia, UK, Ireland, Spain, Switzerland, Belgium, Finland, Turkey, Chile, Argentina, Uruguay, Perù. Awards received: 1991-King Prize for achievement and original research in Clinical Enzymology, International Society for Clinical Enzymology (ISE); 2007-AACC Management Sciences Division, Outstanding Contributions to Management Sciences Award; 2008-AACC Award for Outstanding Clinical Laboratory Contributions to Patient Safety; 2011-ACB (UK) International Lecture Award, 2014-IFCC (International Federation of Clinical Chemistry and Laboratory Medicine) Distinguished Award for Laboratory Medicine and Patient Care and 2014-AACC/NACB Award for Outstanding Contributions to Clinical Chemistry in a Selected Area of Research and the 2014 Canadian Society (CSCC) "Travelling Lecture" Award.

His main areas of research are quality in laboratory medicine, diagnostic and laboratory errors, biomarkers in cancer and cardiovascular diseases, and in vitro allergy diagnostics.

Prema projektima

*Britanca Roberta Whiteheada
i Hrvata Ivana Lupisa u Rijeci je
1866. godine izumljen i proizведен prvi
torpedo. Kao svjetski raritet i danas
postoji lansirna rampa za torpedo.*

*According to projects of British Robert
Whitehead and Croat Ivan Lupis,
the first torpedo was invented and
produced in Rijeka in 1866. A launching
pad for a torpedo still exists
in Rijeka and it is a real world rarity.*



PLENARNI PREDAVAČ PLENARY LECTURER



Dr. sc. Anna Carobene

Anna Carobene diplomirala je na Studiju biologije, Sveučilišta u Miljanu u lipnju 1991. godine. Na istom Sveučilištu specijalizirala je *cum laude* Kliničku biokemiju 2004. godine. Od rujna 1991. godine radi u Laboratoriju za standardizaciju u kliničkoj kemiji Bolnice San Raphaele u Miljanu, Italija. Područje rjezina rada je standardizacija lipidova i enzima. Evaluirala je i razvila nove analitičke testove kao i nove biokemijske analizatore u suradnji s nekoliko proizvođača. Stručnjak je iz područja kontrole kvalitete, osiguranja kvalitete i upravljanja kvalitetom. Više od 10 godina, između 2004. i 2013. godine, bila je odgovorna za organizaciju nacionalne vanjske kontrole kvalitete u Italiji iz područja kliničke biokemije, hematologije, koagulacije i imunologije koja uključuje oko 600 laboratorijskih radova. Objavila je nekoliko radova iz ovog područja s posebnim osvrtom na problem komutabilnosti kontrolnih materijala. Od 2012. godine član je Radne grupe za biološku varijabilnost (engl. *Working Group on Biological Variation, WG-BV*) Europske federacije za kliničku kemiju i laboratorijsku medicinu (engl. *European Federation of Clinical Chemistry and Laboratory Medicine, EFLM*). Radna grupa bavi se istraživanjem izvora varijabilnosti i razvila je kontrolnu listu (engl. *checklist*) za kritičku procjenu znanstvenih članaka iz područja biološke varijabilnosti. Voditelj je i koordinator projekta „Prikupljanje uzoraka zdravih dobrovoljaca za dopunu podataka o biološkoj varijabilnosti“ (engl. *Samples collection from healthy volunteers for BV Values Update*) u koji je uključeno sedam Europskih laboratorijskih radova. Od travnja 2014. godine član je Radne grupe za vanjsku kontrolu kvalitete (engl. *Task Force on Proficiency Testing, TF-PT*) Međunarodne federacije za kliničku kemiju i laboratorijsku medicinu (engl. *International Federation of Clinical Chemistry and Laboratory Medicine, IFCC*).

Petak, 25. rujan 2015.
Friday, 25 September 2015
11:00 - 12:00

Značaj biološke varijabilnosti
Biological variation remains relevant

Anna Carobene graduated in Biology (108/110) at Milan University in 1991. In 2004 she specialised in Clinical Biochemistry at Milan University (70/70 *cum laude*). Since September 1991 she is working at the Laboratory of Standardisation in clinical chemistry, of San Raphael Hospital, Milan, Italy. She works in the field of standardization particularly about lipids and enzymes. She evaluated and developed new clinical chemistry tests in collaboration with several manufacturers. She has also evaluated new analyser of clinical chemistry. She is an expert in quality control, quality assurance and total quality management. She worked for more than 10 years as responsible of an Italian EQAS in Clinical Biochemistry, Haematology, Coagulation and Immunology involving about 600 laboratories (2004 – 2013). She published several papers in this field with particular attention to the problem of commutability of control materials. Since 2012 she is a member of the Working Group on Biological Variation (WG-BV) of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM). The WG-BV explores the sources of variation in and has developed a critical appraisal checklist for papers on biological variation. She is a leader and coordinator of the project “Samples collection from healthy volunteers for BV Values Update”, involving 7 European laboratories. Since April 2014 she is a member of Task Force on Proficiency Testing (TF-PT) of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC). Since February 2015 she is a member of Task Force of “Biological Variation database” of EFLM. The TF evaluates the literature on biological variation and extracts essential information from the papers using a critical appraisal list, to generate a new database on the EFLM website.

Od veljače 2015. godine član je Radne grupe za izradu baze podataka o biološkoj varijabilnosti (engl. *Task Force of "Biological Variation database"*) pri EFLM-u. Cilj ove Radne grupe jest kritička procjena dostupne literature o biološkoj varijabilnosti i prikupljanje podataka koristeći kontrolnu listu u svrhu stvaranja nove baze podataka o biološkoj varijabilnosti na mrežnim stranicama EFLM-a.

Recenzent je u znanstvenim časopisima: *Clinical Chemistry and Laboratory Medicine* (CCLM), *Chimica Clinica Acta* (CCA), *Clinical Chemistry* (Clin Chem) i *Clinical Biochemistry* (Clin Biochem).

Objavila je 17 radova u recenziranim znanstvenim časopisima te održala nekoliko predavanja na nacionalnim i međunarodnim kongresima.

Od 1998. do 2000. godine bila je predavač na kolegiju Biologija, Fakulteta za psihološku medicinu i znanost u sportu Katoličkog Sveučilišta u Miljanu. Od 2000. godine radi kao naslovni profesor na kolegiju Kemije i biokemije za fizioterapeute, a od 2008. godine predavač je na kolegiju Klinička biokemija i laboratorijska medicina, oba na Fakultetu medicine i kirurgije Sveučilišta Vita-Salute San Raffaele u Miljanu, Italija.

She acts as referee for *Clinical Chemistry and Laboratory Medicine* (CCLM), *Chimica Clinica Acta* (CCA), *Clinical Chemistry* (Clin Chem) and *Clinical Biochemistry* (Clin Biochem).

She published 17 papers in peer reviewed Journals and presented several oral communications at National and International Congresses. She taught biology at Psychological Medicine and Sport Science School (Catholic University, Milan) from 1998 to 2000. Since 2000 she works as Contract Professor, Course of Chemistry and Biochemistry for Physiotherapy and since 2008 she is a tutor of course Clinical Biochemistry Laboratory Medicine, both at the Vita-Salute San Raffaele University, Faculty of Medicine and Surgery, Milan, Italy.

Šetnja Korzom s bilo koje strane odvest će vas ravno do slavnog

Gradskog tornja. Na njegovom pročelju nalazi se satni mehanizam koji od 1671. g. mjeri ritam gradskog života, reljef koji prikazuje careve Leopolda I i Karla IV pod čijom je krunom Rijeka postala slobodnom lukom te dvoglavog orla s rašireniem krilima tj. gradski grb. Na vrhu tornja nalazi se stup sa zastavom grada Rijeke. Zbog čestih političkih previranja, Riječani su svakog jutra dolazili pogledati koja se zastava vijori na gradskom tornju tj. u kojoj državi trenutno žive. Naime, građani Rijeke su u 20. stoljeću živjeli u 7 različitim država.

Walking along the Korzo from east or the west side, it will lead you straight to the famous City tower. On his front side, you will find clockwork that measures pace of city life since 1671, the monument of two emperors Leopold I and Charles IV, under whose reign Rijeka was a free port and the most important part, two-headed eagle with spread wings, City's coat of arms. At the top of the tower there is a column with the flag of the city of Rijeka.

Rijeka was in frequent political turmoil and citizens of Rijeka would go to see the towerflag every morning so they would know in which state they live today.

Namely, the citizens of Rijeka in the 20th century lived in 7 different countries.



PRIZNANJE HDMBLM ZA ŽIVOTNO DJELO CSMBLM LIFE ACHIEVEMENT AWARD



Prof. dr. sc. Elizabeta Topić

Profesorica Elizabeta Topić, specijalist medicinske biokemije i laboratorijske medicine, profesor medicinske biokemije na Farmaceutsko-biokemijskom fakultetu Sveučilišta u Zagrebu i dugogodišnja predsjednica Hrvatskog društva za medicinsku biokemiiju (HDMB) (1999. – 2012. god.), diplomirala je na Biotehnološkom fakultetu u Zagrebu, smjer biokemija, 1969. godine. Nakon poslijediplomskog studija 1976. godine magistrirala je 1979. godine na Medicinskom fakultetu Sveučilišta u Zagrebu. 1981. godine stjeće titulu doktora znanosti na Farmaceutsko-biokemijskom fakultetu Sveučilišta u Zagrebu. Na istom fakultetu je izabrana u znanstveno nastavna zvanja docent 1990., izvanredni profesor 1997., redovni profesor 2002. te redovni profesor u trajnom zvanju 2007. godine. Od 1992. godine član je Njujorške akademije znanosti, a 2002. godine postala je suradni član Hrvatske akademije medicinskih znanosti. Tijekom svog radnog vijeka istakla se i kao uspješni rukovoditelj laboratorija (Biokemijski laboratorij Sveučilišne bolnice „Vuk Vrhovac“, Odjel za hitnu laboratorijsku dijagnostiku KBC Zagreb, Klinički zavod za kemiju KBC Sestre milosrdnice).

Interes njenog stručnog rada najčešćim dijelom odnosi se na proučavanje i rješavanje terapije i dijagnostike dijabetesa, farmakogenetiku, molekularnu dijagnostiku, uvođenje i usavršavanje kontrole rada u laboratoriju, harmonizaciju laboratorijskih postupaka, a sve u svrhu osiguranja točnosti i pouzdanosti laboratorijskih nalaza. Nemali doprinos profesorice Topić je i u pionirskom radu uvođenja LIS-a u laboratorijsku praksu te značajan pomak u automatizaciji laboratorijske djelatnosti uvođenjem opreme za automatsko sortiranje i alikvotiranje uzoraka, što je omogućilo bolju kontrolu i kvalitetu u predanalitičkoj fazi obrade uzoraka.

Professor Elizabeta Topić, specialist of medical biochemistry and laboratory medicine, professor at the Faculty of Pharmacy and Biochemistry, University of Zagreb and for many years President of the Croatian Society of Medical Biochemistry (CSMB) (1999 – 2012), graduated at the Zagreb University School of Biotechnology (Biochemistry) in 1969; gained her MS degree at Zagreb University School of medicine in 1979 and completed her doctoral dissertation in 1981 at the Zagreb University Faculty of Pharmacy and Biochemistry. At the Faculty of Pharmacy and Biochemistry she was elected assistant professor in 1990; associated professor in 1997; full professor in 2002 and permanent professor in 2007.

Since 1992 she has been a member of the New York Academy of Science and since 2002 associate member of the Croatian Academy of Medical Sciences. During her working age she has been a successful head of the laboratory (Biochemistry Laboratory of the University Hospital "Vuk Vrhovac"; Department of Emergency Laboratory Diagnostics, Clinical Hospital Centre Zagreb; University Department of Chemistry, University Hospital Centre Sestre milosrdnice).

The special interest in her work was diagnostics and therapy of diabetes, pharmacogenetics, molecular diagnostics, implementation and improvement of the laboratory quality control, harmonization of laboratory procedures, all with the goal to assure reliable and accurate laboratory results. Her pioneer work of implementing the first laboratory information system (LIS) into medical laboratory and improving laboratory automatization by introducing instruments for sorting and aliquoting samples was crucial for better quality and control of the preanalytical procedures.

Ovako uspješan kontinuiran rad okrunjen je 2007. godine potvrdom o akreditaciji prema ISO standardu HRN EN ISO 15189 Kliničkom zavodu za kemiju, KBC Sestre milosrdnice. Stručni i znanstveni rad profesorice Topić bio je uvek isprepletan nastavnim radom. Kao vrsna profesorica, znanje je prenosila generacijama studenata na Farmaceutsko-biokemijskom fakultetu i Medicinskim fakultetima u Zagrebu, Osijeku i Splitu. 2009. godine osniva specijalistički studij „Farmakogenomika: novi pristup optimiranju terapije“ koji omogućuje izobrazbu liječnika, ljekarnika i medicinskih biokemičara u pristupu optimalnog lijeka i doze za svakog bolesnika pojedinačno, na temelju farmakogenetskog testiranja prije početka terapije.

Profesorica Topić je utemeljitelj i poslijediplomskih znanstvenih tečajeva trajnog usavršavanja medicinskih biokemičara, koji se u okviru Europske federacije za kliničku kemiju i laboratorijsku medicinu (EFLM) organiziraju niz godina u Dubrovniku, a svaki je posvećen posebnoj medicinsko-laboratorijskoj temi.

Tijekom svog radnog vijeka prof. Topić bavi se uspješno i znanstvenim radom. Vodila je 7 znanstvenih projekata i jedan tehnologiski projekt Ministarstva znanosti, obrazovanja i sporta te jedan projekt Ministarstva zdravljа, bila je mentorica 13 doktorskih disertacija, 9 magisterija. Do sada je objavila preko 400 znanstvenih i stručnih radova u domaćim i u stranim časopisima, 3 knjige, 19 priručnika te oko 50 poglavlja u knjigama i priručnicima.

Ovako impresivni rezultati rada nisu ostali nepoznati, pa je profesorica dobitnica niza nagrada, od kojih izdvajamo odličje Marijana Fišer Herman HDMB, kao priznanje za cjelokupni doprinos u struci i nagradu Mađarskog društva za laboratorijsku medicinu Jendrasik Medal.

Značajno je navesti i njenu uspješnu suradnju s domaćim i stranim stručnjacima u području zdravstva i laboratorijske medicine te brojna članstva u raznim svjetskim udrugama, povjerenstvima i radnim grupama.

Profesorica je, uz sve obvezе, bila aktivna i kao članica Uredničkog vijeća časopisa *Clinical Chemistry and Laboratory Medicine*, *Acta Clinica Croatica*, *Medix* i *Biochimia Medica*, u kojem je bila i jedna od glavnih urednika od 2005. do 2011. godine.

Her successful work was recognized by accomplishment of accreditation for quality management according to the ISO standard HRN EN ISO 15189 issued to University Department of Chemistry, University Hospital Centre Sestre milosrdnice in 2007. Her professional work was always interwoven with scientific and teaching activity. Beside her lecturing activity at Zagreb University Faculty of Pharmacy and Biochemistry, Prof. Topić is a guest lecturer at Zagreb, Osijek and Split University School of Medicine. In 2009 she founded postgraduate specialist study "Pharmacogenomics: new approach for therapy optimization" in order to educate medical doctors, pharmacists and medical biochemists how to prescribe optimal therapy and dosage for each patient individually based on the pharmacogenetic testing.

Prof. Topić launched postgraduate scientific courses of continuous education in clinical chemistry and laboratory medicine, within the frame of European Federation of Clinical Chemistry and Laboratory medicine (EFLM) and organized for many years in Dubrovnik, each with its specific medical-laboratory topic.

Prof. Topić has been successful in her scientific work as well. She has been the head leader of 7 research projects and one technology project of the Ministry of Science, Education and Sports and one project of the Ministry of Health. She has mentored 13 doctoral dissertations and 9 MS theses. Prof. Topić has published over 400 scientific and professional papers in Croatian and international periodicals, 3 books, 19 handbooks and over 50 chapters in books and handbooks.

Her impressive work was recognized by receiving many awards out of which Marijana Fišer Herman order for her valuable contribution to the profession and Jendrasik Medal award of the Hungarian Society for Laboratory Medicine.

She has successfully cooperated with many Croatian and international experts from the field of medicine and laboratory medicine. She is also a member of many international societies, committees and working groups.

Prof. Topić was also a member of the Editorial Boards of *Clinical Chemistry and Laboratory Medicine*, *Acta Clinica Croatica*, *Medix* and *Biochimia Medica*. From 2005 till 2011 she was one of the Editors-in-Chief of the *Biochimia Medica*.



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RASPORED PROGRAMA PROGRAM SCHEDULE

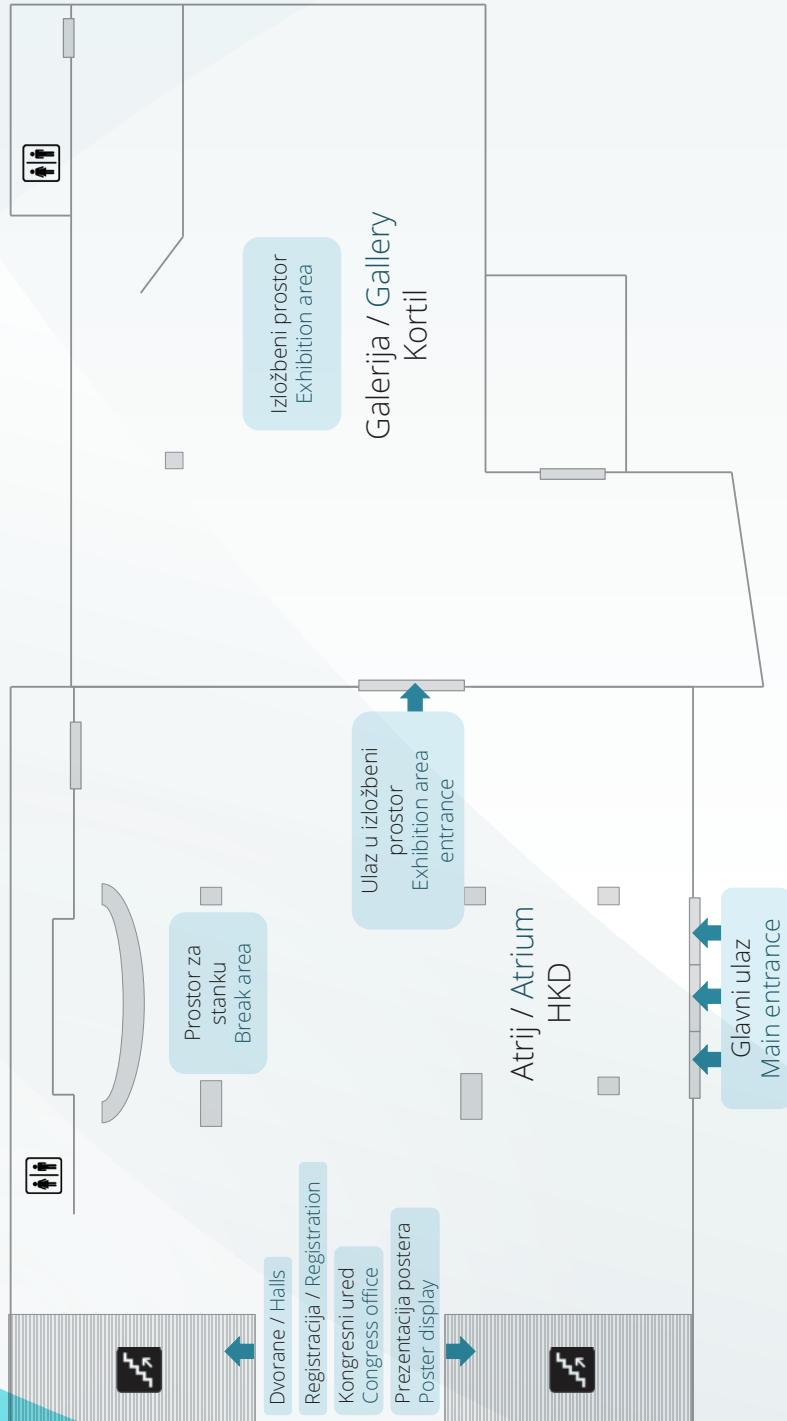
		Utorak / Tuesday 22.9.2015		Srijeda / Wednesday 23.9.2015		Četvrtak / Thursday 24.9.2015		Petak / Friday 25.9.2015		Subota / Saturday 26.9.2015	
		Registracija / Registration		Registracija / Registration		Registracija / Registration		Registracija / Registration		Registracija / Registration	
8:00		S1	S2	ISW1	ISW2	PD1	PL2	ISW3	ISW4	ISW6	ISW7
9:00		S3	S4	S5	S6	S7	PL3	S8	S7	S8	S8
10:00		Stanka / Break		Stanka / Break		Stanka / Break		Stanka / Break		Stanka / Break	
11:00											
12:00		Registracija Registration		Registracija Registration		Registracija Registration		Registracija Registration		Registracija Registration	
13:00		ISW1		ISW2		ISW3		ISW4		ISW6	
14:00		PD1		PD2		ISW5		PD3		PD3	
15:00											
16:00		S3		S4		S5		S6		S9	
17:00											
18:00		Otvaranje kongresa Opening ceremony		Uvodno predavanje Key note lecture		Koktel dobrodošlice Welcome cocktail		Svečana večera Gala dinner			
19:00											
20:00											
		S1 - S9		Simpoziji Symposia		S1 - S9		Dvorana / Hall HKD			
		PL1 - PL3		Plenarna predavanja Plenary lectures		PL1 - PL3		Dvorana / Hall Neboder			
		ISW1 - ISW7		Industrijske radionice Industry sponsored workshops		ISW1 - ISW7		Predvorje / Foyer HKD			
		PD1 - PD3		Prezentacija postera Poster display		PD1 - PD3		Atrij / Atrium HKD			
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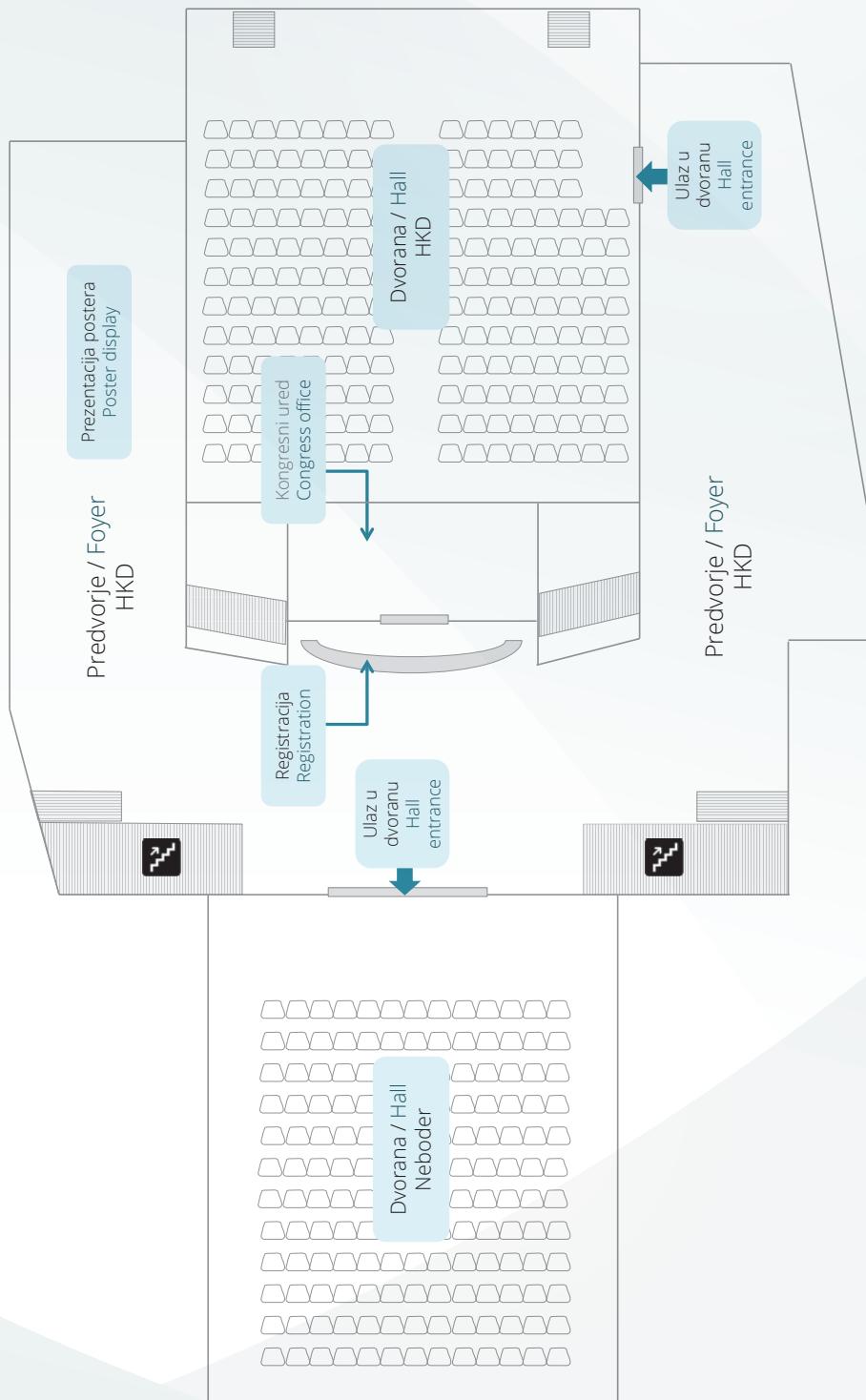
KONGRESNI PROSTOR / CONGRESS AREA

KONGRESNI PROSTOR CONGRESS AREA

Prizemlje
Ground floor



Prvi kat
First floor





ZNANSTVENI PROGRAM SCIENTIFIC PROGRAM

**Utorak, 22. rujan 2015.
Tuesday, 22 September 2015**

- 12:00 – 19:00 Registracija
Registration
- 17:30 – 18:30 Svečano otvaranje kongresa i pozdravne riječi
Opening ceremony and welcome address
- 18:30 – 19:15 Uvodno predavanje: Razvoj kompetencija u biomedicini
Key note lecture: Competency development in biomedicine
Arijana Meštrović (Zagreb, Croatia)
- 19:15 – 22:00 Koktel dobrodošlice
Welcome cocktail

**Srijeda, 23. rujan 2015.
Wednesday, 23 September 2015**

S1

Laboratorijska dijagnostika tumora Tumor diagnostics

Voditelj / Chair: Daria Pašalić

Dvorana / Hall HKD

- 9:00 – 9:25 Tumorski biljezi u laboratorijskoj dijagnostici*
Tumor markers in laboratory practice – state of the art*
Rafael Molina (Barcelona, Spain)
- 9:25 – 10:15 Debata: Prostata specifični antigen
Debate: Prostate specific antigen
Ante Reljić (Zagreb, Croatia) – negacijski stav / negative viewpoint
Igor Tomašković (Zagreb, Croatia) – afirmacijski stav / affirmative viewpoint
- Odarbani posteri / Selected posters**
- 10:15 – 10:20 Usporedba dviju ELISA metoda za određivanje koncentracije kalprotektina u stolici u pedijatrijskoj populaciji
Comparison of two ELISA methods for measuring the concentration of fecal calprotectin in the pediatric population
Irena Linarić, Jasna Obuljen
- 10:20 – 10:25 Monoklonska gammopathija otkrivena pri pretraživanju na oligoklonski IgG tijekom dijagnostičke obrade multiple skleroze
Monoclonal gammopathy as an accidental finding on CSF isoelectric focusing for oligoclonal IgG used as part of the diagnostic workup for multiple sclerosis
Ines Vukasović, Andrea Tešija Kuna, Vanja Bašić Kes, Dubravka Čaržavec, Nada Vrkić

S2

Koagulacija

Coagulation

Voditelj / Chair: Dunja Rogić

Dvorana / Hall Neboder

- 9:00 – 9:25 Zašto uvodimo nove oralne antikoagulantne lijekove?
Why do we need new anticoagulant drugs?
Zdravka Poljaković (Zagreb, Croatia)
- 9:25 – 9:50 Laboratorijski pristup antikoagulantnim lijekovima*
*Laboratory aspects on anticoagulant drugs**
Andreas Hillarp (Halmstad, Sweden)
- 9:50 – 10:15 Mjerenje antikoagulacijskih učinaka novih oralnih antikoagulanata – primjena u praksi
Measuring anticoagulant effects of new oral anticoagulants – practical aspects
Désirée Coen Herak (Zagreb, Croatia)
- Odabrani posteri / Selected posters**
- 10:15 – 10:20 Jesu li trombocitne konstante korisne u procjeni trombopoetske aktivnosti koštane srži kod neonatusa sa naglim smanjenjem broja trombocita?
Are platelet indices valuable in assessment of bone marrow thrombopoietic activity in neonates with sudden decrease in platelet count?
Ana Mlinarić, Gordana Fressl Juroš, Ivana Rako, Dunja Rogić
- 10:20 – 10:25 Analiza podataka o surogatnim biljezima kontaminacije uzoraka s K-EDTA
Data analysis of surrogate markers for detection of K-EDTA contamination
Lora Dukić, Nora Nikolac, Ana-Maria Šimundić

PL1

Plenarno predavanje

Plenary lecture

Voditelj / Chair: Ana-Maria Šimundić

Dvorana / Hall HKD

- 11:00 – 12:00 Harmonizacija u laboratorijskoj medicini*
*Global harmonization in laboratory medicine**
Mauro Panteghini (Milano, Italy)

ISW1

Industrijska radionica

Industry sponsored workshop

Dvorana / Hall HKD

- 12:15 – 13:45 Abbott Laboratories d.o.o.
Put prema unapređenju EBITDA sa ukupnim troškom vlasništva
The journey to improve EBITDA with Total Cost of Ownership
Patrick Gontard, Group CEO of Cibilab and founder of Gontard & CIE

ISW2**Industrijska radionica
Industry sponsored workshop**

Dvorana / Hall Neboder

- 12:15 – 13:45 Roche d.o.o.
Kako poboljšati učinak laboratorija za sada, a i na dalje – cobas LabAdvance konzalting
How to improve your laboratory performance for now and the future – cobas LabAdvance consultancy

S3**Harmonizacija
Harmonization**
Voditelj / Chair: Lidija Bilić-Zulle

Dvorana / Hall HKD

- 15:30 – 15:55 Harmonizacija u predanalitičkoj fazi
Harmonization in the preanalytical phase
Ana-Maria Šimundić (Zagreb, Croatia)
- 15:55 – 16:20 Harmonizacija u analitičkoj fazi: deklaracije proizvođača
Harmonization in analytical phase: manufacturer's declaration
Nora Nikolac (Zagreb, Croatia)
- 16:20 – 16:45 Harmonizacija u poslijeanalitičkoj fazi: laboratorijski rezultati koji predstavljaju rizik za sigurnost bolesnika*
Harmonization of postanalytical phase: laboratory results that represent critical-risk to the patients' safety*
Eva Ajzner (Debrecen, Hungary)

Odabrani posteri / Selected posters

- 16:45 – 16:50 Terapijsko praćenje imunosupresiva: imunokemijska metoda u odnosu na tekućinsku kromatografiju s dvojnom spektrometrijom masa (LC-MS/MS)
Immunosuppressants therapeutic drug monitoring: immunoassay vs. liquid chromatography-tandem mass spectrometry (LC-MS/MS)
Andrea Radeljak, Tajana Filipek-Kanižaj, Matea Zorić, Sonja Perkov, Zlata Flegar-Meštrić
- 16:50 – 16:55 Stabilnost laktata u uzorku plazme – alikvot ili NaF?
Stability of lactate in a plasma sample - aliquot or NaF?
Ivana Rako, Ana Mlinarić, Gordana Fressl Juroš, Dunja Rogić

**Četvrtak, 24. rujan 2015.
Thursday, 24 September 2015**

S4

Laboratorijska dijagnostika bolesti bubrega

Laboratory diagnostics of kidney disease

Voditelj / Chair: Lorena Honović

Dvorana / Hall HKD

- 9:00 – 9:25 Dijagnostički algoritmi za bolesti bubrega – uloga sedimenta mokrače i diferencijacije proteina u mokraći*
Diagnostic pathways for exclusion and diagnosis of kidney diseases. The role of urine sediment and urine protein differentiation*
Walter G. Guder (Munich, Germany)
- 9:25 – 9:50 Procjena glomerularne filtracije – teorija i praksa
Estimated glomerular filtration rate – from theory to practice
Vanja Radišić-Biljak (Zagreb, Croatia)
- 9:50 – 10:15 Akutno zatajenje bubrega
Acute renal failure
Lorena Honović (Pula, Croatia)
- Odabrani posteri / Selected posters**
- 10:15 – 10:20 Kapilarna elektroforeza u rutinskom određivanju HbA_{1c} kod oboljelih od šećerne bolesti: Kratka analitička verifikacija i preliminarni klinički rezultati
Capillary electrophoresis for routine determination of HbA_{1c} in patients with diabetes: Short analytical verification and preliminary clinical results
Sandra Božičević, Vanja Radišić Biljak, Maja Krhač, Marijana Vučić Lovrenčić
- 10:20 – 10:25 Analitička verifikacija Combur¹⁰Test® M traka i urinskog analizatora Cobas u411
Analytical verification of Combur¹⁰Test® M strips and urine analyzer Cobas u411
Alen Vrtarić, Nora Nikolac, Marijana Miler, Ana-Maria Šimundić

Sv. Vid postao je zaštitnikom Grada Rijeke tijekom srednjeg vijeka, a srednjovjekovna Rijeka zvala se po njemu hrvatski „Rika svetoga Vida”, latinski „Terra Fluminis Sancti Viti”. U našim krajevima Sv. Vid bio je zaštitnik očiju, odnosno ljudskog vida stoga su crkve Sv. Vida građene na uzvisinama odakle Sv. Vid „sve vidi”, kao što je slučaj i s današnjom riječkom katedralom koja nosi njegovo ime i nalazi se na najvišem vrhu Starog grada.

St. Vitus became a patron of the City of Rijeka during the Middle ages and the medieval Rijeka was called after him Croatian "Rika St. Vitus", the Latin "Terra Fluminis Sancti Viti".

In our region St. Vitus was protector of the eyes, or the human vision so it was common to build St. Vitus churches on hills from where St. Vitus "could see all". This is the case with present cathedral of Rijeka that bears his name and is located on the top of the Old City.



S5**Molekularna dijagnostika****Molecular diagnostics**

Voditelj / Chair: Karmela Barišić

Dvorana / Hall Neboder

- 9:00 – 9:25 Molekularna dijagnostika i izazovi post-genomskog doba
Molecular diagnostics and the challenges of post-genomic era
Karmela Barišić (Zagreb, Croatia)
- 9:25 – 9:50 Nutrigenomika – prevencija ili liječenje
Nutrigenomics – prevention or treatment
Daria Pašalić (Zagreb, Croatia)
- 9:50 – 10:15 Molekularna dijagnostika kronične opstrukcijske plućne bolesti
Molecular diagnostics of chronic obstructive pulmonary disease
Lada Rumora (Zagreb, Croatia)
- Odabrani posteri / Selected posters**

- 10:15 – 10:20 Utjecaj polimorfizama CYP3A4/5 i CYP2D6 na serumske koncentracije risperidona i 9-hidroksirisperidona kod pacijenata na terapiji pripravkom risperidona s produljenim oslobađanjem
The influence of CYP3A4/5 and CYP2D6 polymorphisms on serum concentrations of risperidone and 9-hydroxyrisperidone in patients using long-acting injectable risperidone
Lana Ganoci, Mila Lovrić, Maja Živković, Marina Šagud, Nada Božina
- 10:20 – 10:25 Ukupni bilirubin u serumu debelih/pretilih žena u postmenopauzi s metaboličkim sindromom
Serum total bilirubin in overweight/obese postmenopausal women with metabolic syndrome
Aleksandra Klisic, Nebojsa Kavaric, Milovan Jovanovic

PL2**Plenarno predavanje****Plenary lecture**

Voditelj / Chair: Lidija Bilić-Zulle

Dvorana / Hall HKD

- Indikatori kvalitete u laboratorijskoj medicini*
11:00 – 12:00 State of the art of laboratory quality indicators*
Mario Plebani (Padova, Italy)

ISW3**Industrijska radionica****Industry sponsored workshop**

Dvorana / Hall HKD

- Abbott Laboratories d.o.o.
Proaktivni servis, budućnost dostupna danas
12:15 – 13:45 Proactive service, future available today
Stephen Hodson, Commercial Service Director - Area Europe, Abbott Diagnostics

**ISW4 Industrijska radionica
Industry sponsored workshop**

Dvorana / Hall Neboder

Siemens d.d.

Rana dijagnostika akutnog infarkta miokarda sa osjetljivim Troponin I testom: novi algoritmi

Earlier Diagnosis of AMI with sensitive TnI assays: new algorithms

- 12:15 – 13:45 Laurent Samson, Associate Director Siemens Healthcare Diagnostics
Određivanje specifičnih IgE, primjena u praksi
Determination of specific IgE and use in clinical practice
Mirjana Turkalj

**ISW5 Industrijska radionica
Industry sponsored workshop**

Dvorana / Hall Neboder

DiaSys Diagnostic Systems GmbH

Kardio-renalni sindrom (Lp(a), NEFA, LpPLA2, Cistatin C)

Cardiorenal syndrome (Lp(a), NEFA, LpPLA2, Cystatine C)

- 13:50 – 15:20 D-dimer u hitnoj dijagnostici
D-Dimer in emergency
DiaSys automatizirani analizatori
DiaSys clinical chemistry autoanalyzers

**S6 Predanalitička faza laboratorijskog rada
Preanalytical phase**

Voditelj / Chair: Ana-Maria Šimundić

Dvorana / Hall HKD

- 15:30 – 15:55 Sigurnost laboratorijskih djelatnika: profilaksa nakon ubodnih incidenata
Laboratory staff safety: prophylactic procedures after sharp injuries
Zorica Šumarac (Belgrade, Serbia)
- 15:55 – 16:20 Racionalizacija u okviru pre-predanalitičke faze
Rationalization at the level of pre-preanalytical phase
Dunja Rogić (Zagreb, Croatia)
- 16:20 – 16:45 Jesu li uzorci 24-satnog urina pravilno skupljeni?
24-hour urine samples: are they properly collected?
Željko Debeljak (Osijek, Croatia)
- Odabrani posteri / Selected posters**
- 16:45 – 16:50 Ionizirani kalcij u serumu - utjecaj vremena od uzorkovanja do centrifugiranja uzorka i vremena od centrifugiranja do izrade analize
Ionized calcium in serum – the influence of time periods from sampling to centrifugation, and from centrifugation until analysis
Antonija Perović, Marina Njire Bratičević, Diana Ljubimir
- 16:50 – 16:55 Vacuette® Glucomedics epruvete i prevalencija gestacijskog dijabetesa
Vacuette® Glucomedics tubes and prevalence of gestational diabetes
Marija Kocijančić, Jelena Čargonja, Alma Delić Knežević

Petak, 25. rujan 2015.
Friday, 25 September 2015

S7

Laboratorijska automatizacija

Laboratory automatization

Voditelj / Chair: Željko Debeljak

Dvorana / Hall HKD

- 9:00 – 9:25 Automatizirana mikroskopija u laboratorijskoj medicini*
Automated microscopy in laboratory medicine*
Giuseppe Lippi (Parma, Italy)

- 9:25 – 9:50 Automatizacija predanalitičke faze laboratorijskog rada
Automatization of the preanalytical phase
Marijana Miler (Zagreb, Croatia)

- 9:50 – 10:15 Autovalidacija u kliničkom laboratoriju
Autovalidation in clinical laboratory
Željka Vogrinc (Zagreb, Croatia)

Odabrani posteri / Selected posters

- 10:15 – 10:20 Verifikacija metode prealbumina na analizatoru Beckman Coulter AU680
Prealbumin method verification on Beckman Coulter AU680 analyzer
Snježana Hrabrić Vlah, Davor Valenčić, Lidija Bilić-Zulle

- 10:20 – 10:25 Model provjere funkcionalnosti autovalidacijskog algoritma
Evaluation of rules in autovalidation algorithm
Vladimira Rimac, Krešimir Kuleš, Željka Vogrinc, Dunja Rogić



Morčić, riječki moretto, je danas jedan od najprepoznatljivijih simbola Rijeke i simbolizira pripadnost primorskom kraju. Morčić je nastao u Rijeci kao skromnija verzija „venecijanskog moretta“ koji prikazuje crnog čovjeka s turbanom. U drugoj polovici 19. stoljeća Rijeka sa svojim poznatim moretistima postaje najjače središte za izradu takva nakita pa Morčić postaje neizostavni dio tradicionalnog ženskog pučkog nakita, ali i amajlja pomoraca i ribara. Zbog svoje omiljenosti u svim društvenim slojevima, morčić je prihvaćen kao suvenir te 1991. kao službeni simbol grada.

Moretto, Rijeka's moretto, today is one of the most recognizable symbols of Rijeka and symbolizes belonging to maritime region. Moretto appeared in Rijeka as a modest version of "Venetian Moretto", bust of a black man with a turban. In the second half of the 19th century, Rijeka with its famous jewelers became the largest center for the production of such jewelry and Moretto soon became an indispensable part of traditional women's jewelry in Rijeka but also as a talisman of sailors and fishermen. Because of its popularity in all social classes, the Moretto was accepted as a souvenir and in 1991 as the official symbol of the city.

S8

Biostatistika

Biostatistics

Voditelj / Chair: Lidija Bilić-Zulle

Dvorana / Hall Neboder

- 9:00 – 9:25 Snaga studije i veličina uzorka: trebamo li uistinu 100 sudionika?*
Power analysis and sample size: When do we really need hundred participants?*
Mary McHugh (San Diego, California, USA)

- 9:25 – 9:50 Statistička obradba usporedbe mjernih postupaka
Method comparison and evaluation statistics
Mladen Petrovečki (Zagreb, Croatia)

- 9:50 – 10:15 Najčešće pogreške u statističkoj obradi podataka i kako ih izbjegići
The most common errors in biostatistics and ways to avoid them
Lidija Bilić-Zulle (Rijeka, Croatia)

Odabrani posteri / Selected posters

- 10:15 – 10:20 Razlika verifikacijskih protokola za ispitivanje preciznosti primjenjena na rutinskim koagulacijskim pretragama
The difference of verification protocols for precision assessment applied to routine coagulation tests
Sanda Jelisavac Čosić, Désirée Coen Herak, Vanja Radišić Biljak

- 10:20 – 10:25 Izračun slobodnog testosterona: usporedba dvije formule
Free testosterone calculation: two equations comparison
Tihana Pavošević, Iva Lukić, Sanja Mandić, Vesna Horvat, Vatroslav Šerić

PL3

Plenarno predavanje

Plenary lecture

Voditelj / Chair: Ana-Maria Šimundić

Dvorana / Hall HKD

- 11:00 – 12:00 Značaj biološke varijabilnosti*
Biological variation remains relevant*
Anna Carobene (Milano, Italy)

ISW6

Industrijska radionica

Industry sponsored workshop

Dvorana / Hall HKD

- 12:15 – 13:45 Beckman Coulter d.o.o.
Antimilerov hormon: Klinička primjena
Anti-Müllerian hormone: Clinical utility and measurement
Sherry Faye

ISW7**Industrijska radionica
Industry sponsored workshop**

Dvorana / Hall Neboder

MES d.o.o.

- 12:15 – 13:45 Sysmex: Mijenjanje perspektive urinske i hematološke analize
Sysmex: *Changing perspectives in urine and hematology analysis*

S9**Upravljanje kvalitetom laboratorijskog rada
Quality in laboratory medicine**

Voditelj / Chair: Nora Nikolac

Dvorana / Hall HKD

- 15:30 – 15:55 Harmonizacija referentnih intervala*
*Harmonisation of reference ranges**
Annette Thomas (Cardiff, UK)
- 15:55 – 16:20 Analitička kvaliteta temeljena na procjeni rizika
Analytical quality based on risk assessment
Adriana Unić (Zagreb, Croatia)
- 16:20 – 16:45 Mjerna nesigurnost
Uncertainty of measurement
Ivana Ćelap (Zagreb, Croatia)
- Odabrani posteri / Selected posters**
- 16:45 – 16:50 Identifikacija laboratorijskih procesa s utjecajem na vremensko opterećenje laboratorijskog rada
Identification of laboratory processes with major influence on laboratory turnaround time
Vesna Šupak Smolčić, Dragana Antončić, Ivana Vladilo, Eliza Bašić, Diana Jamaković, Dubravka Lenac, Jasna Marčelja, Snježana Salopek, Elizabeta Fišić, Lidija Bilić-Zulle
- 16:50 – 16:55 Utječe li nadzor Hrvatske akreditacijske agencije (HAA) na djelotvornije prijavljivanje nesukladnosti u laboratoriju?
Does the supervision of the Croatian Accreditation Agency (CAA) lead to more effective reporting of nonconformities in the laboratory?
Domagoj Marijančević, Adriana Unić
- 17:00 – 18:00 Zatvaranje kongresa
Closing ceremony

DIAGNOSTIC CONFIDENCE IN 25(OH) VITAMIN D MEASUREMENT

ACCESS 25(OH) VITAMIN D TOTAL FOR THE UNICEL DXI IMMUNOASSAY SYSTEM

Vitamin D is a lipid-soluble steroid hormone that is essential to the maintenance of overall bone health because of its key role in maintaining calcium and phosphorus homeostasis. In adults, vitamin D deficiency can lead to bone pain, osteomalacia and proximal muscle weakness; in infants and children, deficiency can cause the bone deformation known as rickets.

Vitamin D deficiency has also been associated with increased risk for cancer, infectious disease, cardiovascular disease, diabetes and other chronic diseases.



HOW ACCESS 25(OH) VITAMIN D TOTAL MOVES THE LAB FORWARD

- › Confidence in patient results through standardization to the NIST-Ghent ID-LC-MS/MS Reference Method Procedure (RMP).
- › Accurate clinical assessment of vitamin D status provided by measurement of total 25(OH) vitamin D with equimolar measurement of 25(OH) vitamin D₂ and 25(OH) vitamin D₃.
- › Excellent stability and reproducibility combined with greater storage convenience from a unique, opaque reagent pack designed to prevent light-induced reagent degradation.
- › Convenient assessment of suspected deficient and elevated patient populations through a broad dynamic range of 2.00 – 210 ng/mL (5.0 to 525 nmol/L).



With the DxI 800, operators can load reagents and similar consumables 'on the fly', without using the console computer, minimizing manual intervention.

Exceptional productivity.
Amazing simplicity.
UniCel DxI 800 Access Immunoassay System

Processes up to 400 tests per hour with continuous loading of STAT and routine samples.
System releases the primary tube after creating an aliquot.
Refrigerated compartment holds 50 reagent packs.
Reagent pack compatibility with other Access systems.

The UniCel DxI 800 immunoassay system allows laboratories to decrease process steps and improve turnaround time – with astounding ease of use.

DRUŠTVENI PROGRAM SOCIAL PROGRAM

Utorak, 22. rujan 2015.

Tuesday, 22 September 2015

17:30 - 18:30 Svečano otvaranje kongresa i pozdravne riječi
 Opening ceremony and welcome address

19:15 - 22:00 Koktel dobrodošlice
 Welcome cocktail

SIEMENS

Svečano otvaranje kongresa održat će se u dvorani HKD. Uvažene uzvanike i sudionike kongresa pjesmom će pozdraviti vokalna skupina „Zvir”, a sve sudionike na koktel dobrodošlice povest će „Grobnički dondolaši”. U ugodnoj atmosferi glazbene izvedbe Mario Šimunovića i Zdenke Žibert svi sudionici imat će priliku družiti se u atriju HKD-a. Svečano otvaranje kongresa i koktel dobrodošlice svim sudionicima omogućio je Siemens d.d.

Congress opening ceremony will be held in the hall HKD. All esteemed guests and congress participants will be welcomed by the vocal ensemble "Zvir". "Grobnički dondolaši" will lead all participants to welcome cocktail. In the pleasant atmosphere of musical performance of Mario Šimunović and Zdenka Žibert, all participants will have an opportunity for social gathering in the atrium of the HKD. Congress opening ceremony and welcome cocktail is sponsored by Siemens d.d.

Vokalna skupina Kulturno-umjetničkog društva „Zvir“, osnovana 2003. godine, okuplja 20 entuzijasta koji svojim pjevanjem doprinose kulturi i očuvanju muzičke tradicije ovih prostora. Njeguje repertoar širokoga spektra – skladbe popularnog, sakralnog, američkog duhovnog te folklornog tipa, naročito hrvatskog s naglaskom na istarsko-primorski glazbeni izričaj. Najviše produkcija u koncertnoj djelatnosti vokalna skupina podarila je upravo publici lokalne zajednice općine Jelenje svojim redovitim prigodnim koncertima za vrijeme blagdana i prigoda koje su bile važne za razvitak općine. Od značajnijih nastupa u inozemstvu, vokalna skupina bilježi koncerte u Šapronu (Mađarska) te Udinama i Gorici (Italija) koji su bili od velikog značaja budući da su doprinijeli jačanju odnosa Matice Hrvatske i hrvatskih manjina u Italiji i Mađarskoj. Na festivalima tradicijske glazbe u Benkovcu i Horvatima vokalna skupina osvojila je srebrne nagrade. Davor Juretić, sadašnji je voditelj vokalne skupine.



Vocal ensemble of Cultural Artistic Society "Zvir" was founded in 2003. It gathers 20 enthusiasts who, with their singing, try to contribute to cultural life and preserve traditions of the region. Its repertoire is based on various genres: popular choral, sacred choral, folklore choral and traditional music. Their repertoire covers popular local and folklore music from Istria and Primorje region. The most concert productions of the Vocal ensemble took place in the local community in the form of concerts on special occasions that were important for the development of the community. Of all the other concert productions abroad, great significance for the CAS "Zvir" had Concerts in Sopron (Hungary), Udine and Gorica (Italy) that made a great contribution to strengthening relations of the Croatian minority and Matica hrvatska with the homeland. Vocal ensemble won the Silver prizes on the Festival of traditional music in Benkovac and Horvati (CRO). Mister Davor Juretić is a current head of the Ensemble.

Grobnički dondolaši

U podnožju planinskog masiva na spoju gorja s morem prostire se Grobničina, kraj u kojem je kroz povijest glavna grana privrede i način života za većinu stanovništva bilo stočarstvo. Kako bi osigurali svoju stoku od divljih zvijeri, koje su se tokom zime spuštale i do naselja, imućniji su vlasnici stada, još od 13. stoljeća, unajmljivali nadnjičare da obilaze pašnjake i stvarajući buku tjeraju grabežljivice duboko u šumu. Kako bi svojim izgledom djelovali zastrašujuće, na glavi su nosili *krabiju* (kosti glave bika ili brava), a lice su crnili čađom te su u rukama nosili sjekire ili štapove te kosti životinja što se danas naziva *žunta*. Ipak za obavljanje njihovog posla presudan je bio zvuk zvona (*dondola*). Tako da su ih zvali Dondolaši. Kako su najviše posla imali u rano proljeće, a to je i vrijeme maškara i karnevala, nerijetko su tako maskirani obilazili i svoja sela. Zaista je važno naglasiti da su za razliku od svih ostalih zvončara u našem kraju, koji su isključivo predstavljali folklor svoga mjesta, dondolaši bili seljaci koji su za taj „posao“ bili plaćeni. Nažalost, običaj je vremenom zapostavljen, sve do 1999. godine kada su 20 entuzijasta iz maškarane skupine „Čavjanske maškare“ osnovali udrugu „Grobnički dondolaši“, koji su ponovno oživili jedan od najstarijih običaja ovog kraja – dondolanje. Zanimljivo je da dondolaši izrađuju maske u vlastitom aranžmanu što svakom dondolašu daje mogućnost da ju obilježi nekim svojim viđenjem. Danas ova Udruga broji stotinjak članova koji nastupaju po mnogim karnevalskim festivalima u Hrvatskoj i Europi te predstavljaju folklor svog kraja. Među njima djeluje i petnaestak mališana u dobi od dvije do dvanaest godina koji će za vas izvesti svoj mimohod.

Grobnik bellringers

At the foot of the mountain massif where the highlands unite with the coast lies Grobnik, place where cattle-breeding was throughout the history one of traditional values and a way of living for most of residents. To secure their cattle from wild beasts that sometimes ventured even into settlements, wealthier livestock owners, since 13th century, rented labourers to patrol the meadows creating noise which drove the predators back into forests. To make their appearance seem scary, they dressed themselves into sheep fur and wore a mask ("krabuja") made from the skull of a bull or a ram. They painted their faces black with soot and carried in their hands



axes or sticks and bones of animals which are now called "žunta". Although they seemed frightening, the greatest asset in their work was the powerful sound of the bell ("dondolo") which resulted in their name – Bellringers ("Dondolaši"). As most of the work they were doing took place in early spring, which is the time of carnival, they frequently visited their villages dressed in that attire. It's important to emphasize the fact that bell-ringers from Grobnik were people hired by the estate-owners and farmers in comparison to all other ringers in our region who exclusively represented the folklore of their place. Due to lifestyle changes through decades of the last century the livestock was dramatically reduced and the custom of bell ringing ("don-dolanje") was forgotten. It was until 1999 when one part of the carnival society "Čavjanske maškare" branched out as a section, "Grobnički dondolaši" (Grobnik bell-ringers) who brought back from the oblivion the old tradition of bell-ringing. Interesting fact is that each member creates his own head mask, which gives him the opportunity to express his own creativity. The society today has over one hundred members who represent the folclore of Grobnik and Croatia on many international carnival festivals in Croatia and Europe. Among the members, fifteen of them are children between two and twelve years old who will show their traditional choreography for this special occasion.

Mario Šimunović jedan je od najdarovitijih glazbenika u Hrvatskoj, istinski virtuoz koji na svojim koncertima izvodi iznimno zahtjevan, ali i atraktivni program, uglavnom sastavljen od španjolskih i južno-američkih kompozitora. Glazbenika krasiti raskošan ton i virtuozna tehnika, do sada je izdao tri nosača zvuka te svojim nastupom uveličao neke od najelitnijih događaja širom Hrvatske. Ovoga puta uz njega će nastupat sjajna altistica **Zdenka Žibert**, pjevačica koja preko dvadeset godina nastupa kod nas i u inozemstvu. Ona nadahnuto izvodi ruske ciganske romanse, latinoameričke evergreene i starogradske pjesme, i druge pjesme na raznim jezicima poput portugalskog, španjolskog, izraelskog, mađarskog i češkog. Suradnjom umjetnice izvrsnog glasa i autentične interpretacije i gitarskog virtuoza Marija Šimunovića stvoren je program koji nas vodi u daleke krajeve ruske stepi i uzavrelih tonova.



Mario Šimunović is one of the most talented musicians in Croatia, a true virtuoso who performs in his concerts extremely demanding yet an attractive program, mainly composed of Spanish and South American composers. Šimunović is musician known by sumptuous tone and virtuoso technique, so far he released three albums, and his performance embellished one of the most elite events around Croatia. For this special occasion he will perform with a great alto **Zdenka Žibert**, singer who has performed over twenty years at home and abroad. Her repertoire includes inspiring performances of Russian Gypsy romances, Latin American evergreens and traditional croatian songs and other songs in various languages such as Portuguese, Spanish, Israeli, Hungarian and Czech. Cooperation of this artist with excellent voice and authentic interpretation and guitar virtuoso Mario Šimunović created a program that takes us to distant places of the Russian steppes and heated tones.

**Srijeda, 23. rujan 2015.
Wednesday, 23 September 2015**

17:30 - 19:30

Razgledavanje Rijeke u pratnji vodiča
Guided sightseeing tour of Rijeka

ili / or

**Petak, 26. rujan 2015.
Friday, 26 September 2015**

18:30 - 20:30

Razgledavanje Rijeke u pratnji vodiča
Guided sightseeing tour of Rijeka



Turistička zajednica grada Rijeke i Grad Rijeka omogućili su svim sudionicima upoznavanje grada u pratnji stručnog vodiča. Odaberite srijedu ili petak za šetnju Rijekom nakon stručnog programa kongresa.

Tourist board of Rijeka and City of Rijeka enabled and organized guided sightseeing tour for all Congress participants. Choose Wednesday or Friday for walking around Rijeka after official Congress program.



Četvrtak, 24. rujan 2015. Thursday, 24 September 2015

20:00 - 23:00

Svečana večera
Gala dinner

Svečana večera održat će se u dvorani hotela Neboder. Za vrijeme večere goste će zabavljati By The Way Band.

Gala dinner will be held in the hall of the hotel Neboder. During the dinner, By The Way Band will entertain the guests.

By The Way Band je sastav od četiri profesionalna glazbenika akademskog obrazovanja sa stalnim djelovanjem u operi Hrvatskog narodnog kazališta „Ivan pl. Zajc“. U ovom formatu predstavljaju se u sasvim drugačijem svjetlu izvodeći popularne rock, pop, funk i soul standarde na visoko kvalitetan i osebujan način. Ono što treba istaknuti je, da su By The Way Band najbolji izbor za publiku koja voli uživati u kvalitetnoj glazbi te cijeni izvedbu na profesionalnoj razini.

Sastav:

Vlaho Prohaska - vokal, klavir, viola

Goran Cvijanović - kontrabas, bas gitara

Marijan Orešković - električna/akustična gitara, trombon

Petar Jelušić - udaraljke, bubenjevi

By The Way Band is a music group composed of four professional musicians with academic education who are permanent members of the National theatre Opera "Ivan noble Zajc". In this formation, they present themselves in a completely different style, performing popular rock, pop, funky and soul standards in high-quality and original way. What should be noted is that the By The Way Band is the best choice for an audience that likes to enjoy quality music and appreciates the professional level performance.

Lineup:

Vlaho Prohaska - vocals, piano, viola

Goran Cvijanović - double bass, bass guitar

Marijan Orešković - electric/acoustic guitar, trombone

Petar Jelušić - percussion, drums



**Subota, 26. rujan 2015.
Saturday, 26 September 2015**



Izlet u Istru

u organizaciji agencije Adria Kongres

Za sve koji žude za sentimentalnom atmosferom vremena koja su nepovratno prošla mogu je pronaći upravo u Rovinju, gradu koji je svoj romantični život započeo na otoku čiji je skučeni prostor uvjetovao gradnju zbijenih kuća, uskih ulica i malenih trgovaca, još i danas nedirnutih modernim urbanizmom. S morske je strane grad zaštićen visokom stjenovitom obalom i zidovima kuća izgrađenim na liticama, a prema kopnu vrstim bedemima. Gradom dominira barokna crkva Sv. Eufemije, sa čijeg se 60 metara visokog tornja pruža pogled na sivo-crvene krovove i dimnjake, ulice i trgrove, luku i pristaniste s brodovima i barkama.

Izlet se sastoji od posjeta i razgledavanja Rovinja (u pratnji vodiča) te slobodnog vremena u Rovinju nakon kojeg slijedi ručak u tradicionalnoj, obiteljskoj konobi u selu Krculi pokraj Žminja. Povratak u Rijeku je planiran oko 15:30 sati.

Izlet je moguće rezervirati uz nadoplatu, na registracijskom mjestu, a cijena uključuje: transfer, angažman vodiča, ručak (uključujući piće).



Excursion to Istria

organized by the Adria Congress agency

The town of Rovinj is the right destination for all those seeking for a sentimental atmosphere of the times that have forever gone by. Rovinj has begun its romantic life on an island, its restricted area resulting in crowded houses, narrow streets and small squares, still untouched by modern urbanism. On the seaside, the town is protected by a high rocky shore and house walls built on cliffs, while the mainland side is protected by solid walls. The town is dominated by the baroque St. Euphemia's Church, its 60-meter tower providing a view of grey and red rooftops and chimneys, streets and squares, the port and pier with ships and boats.

Excursion includes guided sightseeing of Rovinj and free leisure time followed by lunch in a charming family household restaurant in village Krculi near Žminj.

Return to Rijeka is planned for 3.30 pm.

Excursion can be booked at the registration desk, with additional cost. Price includes: transportation, guide, lunch (drink included).

Otkrijte proizvode tvrtke HUMAN DIAGNOSTICS

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POSTERI POSTERS

Posteri će biti izloženi sve dane trajanja kongresa u prostoru za postersku izložbu, a prema šiframa postera kojima će biti označeni panoi. Posteri se postavljaju na odgovarajući pano od utorka, 22. rujna 2015. u 16:00 sati do srijede, 23. rujna 2015. u 12:00 sati, a moraju se ukloniti do petka, 25. rujna 2015. u 17:00 sati. Organizacijski odbor nije odgovoran za postere koji ostanu nakon zatvaranja kongresa.

Svoj poster moći ćete predstaviti komisiji za ocjenu postera, a samo oni autori koji predstave svoj poster komisiji mogu ući u konkurenциju za vrijednu nagradu. Nagradu za najbolji poster dodijelit će komisija za ocjenu postera na zatvaranju kongresa. Posteri će se ocjenjivati prema sljedećem rasporedu:

Posters will be displayed throughout Congress duration in designated poster area according to the poster number assigned on the boards. Posters should be mounted on boards starting from Tuesday, 22 September 2015 at 16:00 till Wednesday, 23 September 2015 at 12:00 and should be removed by Friday, 25 September 2015 at 17:00. Organizing committee is not responsible for posters that will be left after Congress closing.

You will have an opportunity to present your poster to the Poster committee. Only those who present their posters to the Poster committee will enter into competition for valuable prize. The Poster committee will award best poster prize at the Congress closing ceremony. Poster Walk will be organized according to the following schedule:

	Srijeda / Wednesday 23.9.2015. 14:00 – 15:00 h	Četvrtak / Thursday 24.9.2015. 14:00 – 15:00 h	Petak / Friday 25.9.2015. 14:00 – 15:00 h
Posteri Posters	F01-F04, J01-J23	A01-A05, B01-B07, H01-H05, I01-I10	C01, D01, E01-E02, G01-G22

POSTERSKE TEME

POSTER TOPICS

- A Laboratorijska dijagnostika i praćenje zločudnih bolesti
Laboratory diagnostics and monitoring of malignant diseases
- B Statistička obrada laboratorijskih podataka
Statistical analysis of laboratory data
- C Harmonizacija u laboratorijskoj medicini
Harmonization in laboratory medicine
- D Biljezi bolesti bubrega i mokraćnog sustava
Markers of kidney and urinary tract diseases
- E Molekularna dijagnostika
Molecular diagnostics
- F Automatizacija laboratorijskih postupaka i procesa
Automatization of procedures and processes in laboratory medicine
- G Akreditacija, organizacija, kvaliteta i upravljanje u laboratoriju
Accreditation, organization, quality and laboratory management
- H Laboratorijska hematologija i koagulacija
Laboratory hematology and coagulation
- I Predanalitička i poslijeanalitička faza laboratorijskog rada
Preanalytical and postanalytical phase of laboratory work
- J Ostalo
Other

A**Laboratorijska dijagnostika i praćenje zločudnih bolesti
Laboratory diagnostics and monitoring of malignant diseases**

- A01 Procjena koncentracije tumorskog biljega ProGRP u pacijenata s karcinomom pluća malih stanica
Assessment of tumor marker ProGRP concentration in patients with small lung cancer
Jozo Ćorić, Radivoj Jadrić, Elma Kučukalić, Berina Hasaneftendić, Mirsad Panjeta
- A02 Povezanost vrijednosti prokalcitonina i C-reaktivnog proteina prvi postoperativni dan s razdobljem oporavka pacijenta nakon operacija zločudnih bolesti crijeva
Correlation between procalcitonin and C-reactive protein values on first postoperative day and patient's recovery period after malignant bowel disease surgery
Sanja Dobrijević, Ljiljana Mayer, Danko Velimir Vrdoljak, Mihaela Gaće, Zvjezdana Špacir Prskalo, Petra Pozaić, Iva Kirac
- A03 Dijagnostički potencijal humanog epididimis proteina 4 (HE4) i ROMA indeksa u žena s rakom jajnika
The diagnostic potential of human epididymis protein 4 (HE4) and ROMA index in women with ovarian cancer
Zvjezdana Špacir Prskalo, Ljiljana Mayer, Mihaela Gaće, Sanja Dobrijević, Mario Puljiz, Ilija Alvir, Ivica Mamić, Damir Danolić
- A04 Dijagnostička vrijednost tumorskog biljega HE4 u ginekološkoj onkologiji
Diagnostic value of HE4 tumor marker in gynecological oncology
Dragana Šegulja, Danica Matišić, Ivana Lapić, Dunja Rogić
- A05 Serumski slobodni laki lanci kao novi prognostički biomarker u kroničnoj limfocitnoj leukemiji
Serum free light chains as new prognostic biomarker in chronic lymphocytic leukemia
Blaženka Dobrošević, Mirjana Fijačko, Jasna Pavela, Barbara Vuković, Vatroslav Šerić

B**Statistička obrada laboratorijskih podataka
Statistical analyses of laboratory data**

- B01 Rezultati laboratorijske primjene preporučenih kriterija za određivanje šećerne bolesti u trudnoći
Results of the recommended laboratory criteria appliance for determining diabetes in pregnancy
Bojana Kranjčec, Jadranka Šanjug
- B02*** Razlika verifikacijskih protokola za ispitivanje preciznosti primjenjena na rutinskim koagulacijskim pretragama
The difference of verification protocols for precision assessment applied to routine coagulation tests
Sanda Jelisavac Čosić, Désirée Coen Herak, Vanja Radišić Biljak
- B03 Praćenje rezultata QConnect run kontrola putem QConnect softvera u NAT probiru darivatelja krvi
QConnect run control result monitoring with Qconnect software in blood donors NAT screening
Ivana Babić, Margareta Maslović, Jasna Bingulac-Popović, Vesna Đogić, Nina Juraković-Lončar, Melita Balija, Irena Jukić
- B04 Usporedba kvalitete laboratorijskih procesa za mjerni postupak Troponin I
Comparison of quality of laboratory processes for Troponin I determination
Adriana Unić, Lovorka Đerek, Neverka Stančin
- B05 Procjena granične vrijednosti IgA anti-tTG specifične za djecu dijabetičare u svrhu njihovog probira na celijakiju
An estimation of IgA anti-tTG cut-off specific for celiac disease screening of diabetic children
Merica Aralica, Jasminka Matica
- B06 Makropolaktin – probir, da ili ne?
Macroprolactin – to screen or not to screen?
Adriana Bokulić, Ivana Zec, Valentina Vidranski, Željka Bukovec Megla, Iva Petek Tarnik, Iva Petek
- B07*** Izračun slobodnog testosterona: usporedba dvije formule
Free testosterone calculation: two equations comparison
Tihana Pavošević, Iva Lukić, Sanja Mandić, Vesna Horvat, Vatroslav Šerić

**C Harmonizacija u laboratorijskoj medicini
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- C01 Uvid u određivanje antinuklearnih antitijela (ANA) u Hrvatskoj - rezultati ankete radne grupe Hrvatskog društva za medicinsku biokemiju i laboratorijsku medicinu (HDMBLM) za laboratorijsku dijagnostiku autoimunih bolesti
Insight in antinuclear antibodies (ANA) determination in Croatia – survey results of Croatian Society of Medical Biochemistry and Laboratory Medicine (CSMBLM) working group for guidelines in laboratory diagnosis of autoimmune diseases
Lovorka Đerek, Andrea Tešija Kuna, Ana Kozmar, Vedrana Drvar

**D Biljezi bolesti bubrega i mokraćnog sustava
Markers of kidney and urinary tract diseases**

- D01 Učestalost mikrohematurije kod muškaraca iznad 35 godina
Frequency of microhematuria in men older than 35
Zorana Todorović, Suzi Žlabravec, Dunja Turner, Mirjana Sikirica

**E Molekularna dijagnostika
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- E01* Utjecaj polimorfizama CYP3A4/5 i CYP2D6 na serumske koncentracije risperidona i 9-hidroksirisperidona kod pacijenata na terapiji pripravkom risperidona s produljenim oslobađanjem
The influence of CYP3A4/5 and CYP2D6 polymorphisms on serum concentrations of risperidone and 9-hydroxyrisperidone in patients using long-acting injectable risperidone
Lana Ganoci, Mila Lovrić, Maja Živković, Marina Šagud, Nada Božina
- E02 Genotipizacija interleukin 28 b polimorfizma rs12979860 i praćenje odgovora na antivirusnu terapiju kod bolesnika s kroničnim hepatitism C
Genotyping of interleukin 28 b polymorphism rs12979860 and prediction of viral response to therapy in chronic hepatitis C patients
Jasna Bingulac-Popović, Nadia Komparić, Ivana Furčić, Vesna Đogić, Ivana Babić, Jadranka Žgrablić-Cetina, Ivana Babić, Irena Hrstić, Nina Juraković-Lončar, Melita Balija, Irena Jukić

**F Automatizacija laboratorijskih postupaka i procesa
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- F01 Detekcija parazita malarije pomoću hematološkog analizatora Beckman Coulter® DXH800
Malaria detection on DXH800 Beckman Coulter® hematology analyzer in non-endemic area
Sanja Kozić Dokmanović, Valentina Vidranski, Vedrana Jukić, Zdravka Čulig, Martina Kramar, Adrijana Dorotić, Renata Laškaj, Anita Klasić
- F02* Kapilarna elektroforeza u rutinskom određivanju HbA_{1c} kod oboljelih od šećerne bolesti: Kratka analitička verifikacija i preliminarni klinički rezultati
Capillary electrophoresis for routine determination of HbA_{1c} in patients with diabetes: Short analytical verification and preliminary clinical results
Sandra Božičević, Vanja Radišić Biljak, Maja Krhač, Marijana Vučić Lovrenčić
- F03* Model provjere funkcionalnosti autovalidacijskog algoritma
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- F04 OptiScanner 5000: an intermittent glucose monitoring in septic patients
OptiScanner 5000: povremeno praćenje glukoze u bolesnika sa sepsom
Alessandra Barassi, Michele Umbrello, Valentina Salice, Paolo Spanu, Paolo Formenti, Luca Massaccesi, Giancarlo Goi, Clara Anna Linda Damele, Angela Leone, Rossana Stefanelli, Gaetano Lapichino, Gian Vico Melzi d'Eril

G**Akreditacija, organizacija, kvaliteta i upravljanje u laboratoriju
Accreditation, organization, quality and laboratory management**

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Quality indicators in clinical laboratory hematology
Dragica Ferenc Ružić, Biserka Getaldić, Sandra Margetić, Ivana Vuga, Nada Vrkić
- G02*** Identifikacija laboratorijskih procesa s utjecajem na vremensko opterećenje laboratorijskog rada
Identification of laboratory processes with major influence on laboratory turnaround time
Vesna Šupak Smolčić, Dragana Antončić, Ivana Vladilo, Eliza Bašić, Diana Jamaković, Dubravka Lenac, Jasna Marčelja, Snježana Salopek, Elizabeta Fišić, Lidija Bilić-Zulle
- G03 Naknadni zahtjevi za laboratorijskim testovima – predanalitički indikator kvalitete
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Vesna Šupak Smolčić, Dragana Antončić, Lidija Bilić-Zulle
- G04 Verifikacija imunokemijske metode za određivanje anti-Mullerovog hormona
Verification of immunoassay for determination of anti-Mullerian hormone
Danijela Županić, Renat Mujagić, Lorena Honović
- G05 Molekularna dijagnostika virusa – rezultati vanjske kontrole od 2010.-2014.
Molecular viral diagnostics - external control results 2010-2014
Jasna Bingulac-Popović, Vesna Đogić, Ivana Babić, Tomislav Vuk, Dorotea Šarlija, Nina Juraković-Lončar, Melita Balija, Irena Jukić
- G06 Usporedba imunokemijskih metoda za određivanje TSH, FT4 i FT3
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- G07*** Utječe li nadzor Hrvatske akreditacijske agencije (HAA) na djelotvornije prijavljivanje nesukladnosti u laboratoriju?
Does the supervision of the Croatian Accreditation Agency (CAA) lead to more effective reporting of nonconformities in the laboratory?
Domagoj Marijančević, Adriana Unić
- G08 Procjena prihvatljivosti biokemijskih metoda verificiranih na analizatoru Beckman Coulter AU5800 pomoću normaliziranog MEDx grafa
Performance estimation of biochemical methods validated on analyzer Beckman Coulter AU5800 using normalized MEDx
Andjela Žic, Vesna Šupak Smolčić, Zvonka Bačić, Lidija Bilić-Zulle
- G09 Primjena fleksibilnog područja akreditacije
Application of a flexible scope of accreditation
Ines Alpeza Viman, Anita Herceg, Dunja Rogić
- G10 Analitička validacija ciklosporina i takrolimusa na analizatoru Roche Cobas 6000
Analytical validation of cyclosporine and tacrolimus on Roche Cobas 6000 analyzer
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- G11 Usporedba metoda za određivanje kreatinina na analizatorima Olympus AU400 i Dimension Xpand
Comparison of methods for creatinine determination on Olympus AU400 and Dimension Xpand analyzers
Valentina Šenjug, Danijela Polak-Ercég, Anita Klasić, Lada Surjan
- G12*** Terapijsko praćenje imunosupresiva: imunokemijska metoda u odnosu na tekućinsku kromatografiju s dvojnom spektrometrijom masa (LC-MS/MS)
Immunosupressants therapeutic drug monitoring: immunoassay vs. liquid chromatography-tandem mass spectrometry (LC-MS/MS)
Andrea Radeljak, Tajana Filipec-Kanižaj, Matea Zorić, Sonja Perkov, Zlata Flegar-Meštrić

- G13*** Usporedba dviju ELISA metoda za određivanje koncentracije kalprotektina u stolici u pedijatrijskoj populaciji
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Irena Linarić, Jasna Obuljen
- G14 Usporedba monoklonalne i poliklonalne ELISA metode za određivanje koncentracije fekalne elastaze u stolici u pedijatrijskoj populaciji
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- G15 Verifikacija potpuno automatizirane metode za određivanje Anti-Mullerian hormona u serumu na automatskom analizatoru Roche Cobas e601
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Daniela Šupe-Domić, Lada Stanišić, Antonija Rodin-Kurtović, Nada Bilopavlović, Branka Knežević
- G16 Usporedba unutarlaboratorijske preciznost, istinitosti i ukupne pogreške mjernih postupaka CMIA i ECLIA metode za određivanje ciklosporina
Comparison of within-laboratory precision, trueness and a total error of measurement procedures for CMIA and ECLIA methods in cyclosporine measurement
Marina Njire Bratičević, Antonija Perović, Diana Ljubimir
- G17*** Analitička verifikacija Combur¹⁰Test® M traka i urinskog analizatora Cobas u411
Analytical verification of Combur¹⁰Test® M strips and urine analyzer Cobas u411
Alen Vrtarić, Nora Nikolac, Marijana Miler, Ana-Maria Šimundić
- G18 Verifikacija metode za određivanje humanog korionskog gonadotropina na analizatoru Cobas e411
Verification of the method for determining human chorionic gonadotropin on Cobas e411 analyzer
Petra Filipi, Monika Doželenčić, Ivana Zec, Marijana Miler, Nora Nikolac, Ana-Maria Šimundić
- G19*** Verifikacija metode prealbumina na analizatoru Beckman Coulter AU680
Prealbumin method verification on Beckman Coulter AU680 analyzer
Snježana Hrabrić Vlah, Davor Valenčić, Lidija Bilić-Zulle
- G20 Verifikacija metode mjerena koncentracije bikarbonata u serumu na analizatoru Beckman Coulter AU680
Verification of serum bicarbonate assay on Beckman Coulter AU680 analyzer
Snježana Hrabrić Vlah, Lidija Bilić-Zulle
- G21 Usporedba transkutane i fotometrijske metode za određivanje ukupnog bilirubina u zdrave novorođenčadi s klinički manifestnom žuticom
Comparison of transcutaneous and photometric methods for the determination of total bilirubin in healthy newborns with clinically manifest jaundice
Sonja Perkov, Marko Vukasović, Jelena Starčić, Andrea Radeljak
- G22 Validacija metode tekućinske kromatografije visoke djelotvornosti za mjerjenje antifungalnog lijeka vorikonazola u serumu
Validation of high performance liquid chromatography method for measuring of antifungal drug voriconazole in serum
Mila Lovrić, Nada Božina, Dunja Rogić

H**Laboratorijska hematologija i koagulacija**
Laboratory hematology and coagulation

- H01 Ispitivanje primarne hemostaze kod bolesnika s policitemijom rubraverom i sekundarnom eritrocitozom uporabom PFA 100 analizatora
Testing of primary haemostasis at patients with polycythaemia rubra vera and secondary erythrocytosis by PFA 100 analyzer
Branka Pauković Sekulić, Leida Tandara, Anuška Trlaja

- H02*** Jesu li trombocitne konstante korisne u procjeni trombopoetske aktivnosti koštane srži kod neonata sa naglim smanjenjem broja trombocita?
Are platelet indices valuable in assessment of bone marrow thrombopoietic activity in neonates with sudden decrease in platelet count?
Ana Mlinarić, Gordana Fressl Juroš, Ivana Rako, Dunja Rogić
- H03** Analitička procjena koagulacijskih reagensa Sclavo na poluautomatskom i automatiziranim koagulometrima
Analytical estimation of Sclavo Diagnostics coagulation reagents on semi-automatic and automated coagulometers
Vladimira Rimac, Désirée Coen Herak, Sanelia Šimić Vojak, Vanja Radišić-Biljak, Dunja Rogić
- H04** Crvena krvna slika donešene novorođenčadi
Red blood count of the term newborns
Ksenija Paradinović, Blaženka Dobrošević, Tara Rolić, Marija Milić, Vatroslav Šerić
- H05** Validacija koagulacijskih sustava STA Compact Max i STA-R Evolution
Validation of Coagulation Systems STA Compact Max and STA-R Evolution
Ivana Baršić, Snježana Semenski, Vesna Šupak Smolčić, Dragana Antončić, Darka Stošić, Désirée Coen Herak, Dunja Rogić

| **Predanalitička i poslijeanalitička faza laboratorijskog rada** **Preanalytical and postanalytical phase of laboratory work**

- I01** Slučaj neobičnog plutanja gela u epruvetama uzoraka krvi triju pacijenata na hemodijalizi s intradijaliznom hipotenzijom
Abnormal flotation of separator gel in blood test tubes in three hemodialysis patients with intradialytic hypotension
Meltem Demir, Sebahat Ozdem
- I02*** Ionizirani kalcij u serumu - utjecaj vremena od uzorkovanja do centrifugiranja uzorka i vremena od centrifugiranja do izrade analize
Ionized calcium in serum – the influence of time periods from sampling to centrifugation, and from centrifugation until analysis
Antonija Perović, Marina Njire Bratičević, Diana Ljubimir
- I03** Utjecaj hemolize na elektroforezu serumskih proteinova
Effect of hemolysis on serum protein electrophoresis
Božica Sokolić, Adrijana Dorotić, Renata Laškaj, Gabrijela Smoljkić, Marija Mijakić
- I04** Pridržavanje predanalitičkih zahtjeva: ključ kvalitete kliničkih laboratorijskih rezultata
Adherence to Pre-examination Procedures: Key to Quality Clinical Laboratory Results
Bolarindej. Lawal, Boto Jaiteh, Gibril Bah, Saffiatou Darboe, Davis Nwakanma
- I05*** Vacuette® Glucomedics epruvete i prevalencija gestacijskog dijabetesa
Vacuette® Glucomedics tubes and prevalence of gestational diabetes
Marija Kocijančić, Jelena Čargonja, Alma Delić Knežević
- I06** Usporedba koncentracije glukoze u serumu i venskoj plazmi
Comparison of glucose concentration in venous plasma and in serum
Bojana Kranjčec, Snježana Semenski, Pavao Tomašković
- I07*** Analiza podataka o surrogatnim biljezima kontaminacije uzoraka s K-EDTA
Data analysis of surrogate markers for detection of K-EDTA contamination
Lora Dukić, Nora Nikolac, Ana-Maria Šimundić
- I08** Utjecaj uzorkovanja manje količine uzorka od propisane na rezultate krvne slike
The influence of inadequate sample volume on complete blood count results
Dragana Antončić, Doris Ožanić, Vesna Šupak Smolčić, Lidija Bilić-Zulle
- I09*** Stabilnost laktata u uzorku plazme – alikvot ili NaF?
Stability of lactate in a plasma sample - aliquot or NaF?
Ivana Rako, Ana Mlinarić, Gordana Fressl Juroš, Dunja Rogić

- I10 Procjena rizika od neautomatiziranog postupanja s hemolitičnim uzorcima na sigurnost pacijenta
Risk assessment for manual handling of hemolyzed samples on patient safety
Marijana Miler, Nora Nikolac, Ana Helena Lukšić, Ana Bakliža, Lora Dukić, Ana-Maria Šimundić

- J Ostalo
Other**
- J01 Dijagnostički značaj i prisustvo IgA i IgG klase protutijela usmjerenih na *Helicobacter pylori* u serumu simptomatskih bolesnika
Diagnostic value and presence of IgA and IgG Helicobacter pylori antibodies in blood serum from symptomatic patients
Jordan Petrov
- J02 Abdormalna pretilost je mogući neovisni pokazatelj povišenog serumskog cistatina C kod debelih/pretilih žena u postmenopauzi
Abdominal obesity may be the independent predictor of elevated serum cystatin C levels in overweight/obese postmenopausal women
Aleksandra Klisić, Nebojsa Kavaric, Milovan Jovanovic, Najdara Gligorovic-Barhanovic, Dragica Bozovic, Marija Matic
- J03 Aktivnost eritrocitne glikohidrolaze povezana je s oksidativnim stresom kod pacijenata s infekcijom umjetnog zgloba
Levels of human erythrocyte's glycohydrolases are associated to oxidative stress in patients with prosthetic-joint-associated infection
Gian Vico Melzi d'Eril, Luca Massaccesi, Giancarlo Goi, Daniela Erba, Carlo Luca Romanò, Angela Leone, Clara Anna Linda Damele, Rossana Stefanelli, Alessandra Barassi, Lorenzo Drago
- J04*** Uкупni bilirubin u serumu debelih/pretilih žena u postmenopauzi s metaboličkim sindromom
Serum total bilirubin in overweight/obese postmenopausal women with metabolic syndrome
Aleksandra Klisić, Nebojsa Kavaric, Milovan Jovanovic
- J05 Kardiotonični steroidi selektivno inhibiraju unos L-arginina preko γ^+ L transporteru u humanim endotelnim stanicama
Cardiotonic steroids selectively inhibit L-arginine uptake by the γ^+ L transporter in human endothelial cells
Marietha J Nel, Geoff P Candy
- J06 Ciste doštite žljezde – naša iskustva
Small nonfunctional parathyroidal cyst: diagnostic and therapeutic challenges
Ljubica Fuštar Preradović, Milena Tadijanović Knjaić, Davorin Đanić, Branka Maljković, Ana Đanić Hadžibegović, Marina Josipović
- J07 Intratekalna aktivnost hitotriozidaze kao potencijalni biljeg progresije bolesti kod pacijenata oboljelih od multiple skleroze
Intrathecal chitotriosidase activity as a potential biomarker of disease progression in patients with multiple sclerosis
Ivana Lapić, Ljiljana Zaninović, Željka Vogrinč, Milica Trbojević-Čepe
- J08 Prikaz slučajeva povišenih troponina-I određivanih visokoosjetljivim testom hsTnI kod pacijenta u akutnim stanjima
Case report of high values of troponin-I using high sensitive troponin-I test on patients in acute conditions
Nena Peran, Lada Surjan, Dijana Pamuković Jaram, Željana Reškov, Davorka Sladić
- J09 Serološki testovi u selektivnoj IgA deficijenciji: pokazatelj uspješnosti provođenja dijete bez glutena u celjakiji – prikaz slučaja
Serological tests in selective IgA deficiency: gluten-free diet performance indicator in celiac disease - a case report
Mirjana Fijačko, Igor Marjanac, Jasna Pavela, Blaženka Dobrošević, Silvija Pušeljić, Vatroslav Šerić

- J10 Značaj određivanja srčanog visoko osjetljivog troponina I u koronarnoj i nekoronarnoj bolesti
The significance of high sensitivity cardiac troponin I in coronary and non-coronary disease
Andrea Radeljak, Ingrid Prkaćin, Dean Mleta, Ivona Herceg, Jelena Starčić, Sonja Perkov
- J11 Povezanost serumske aktivnosti hitotriozidaze i LDL fenotipa kod pacijenata sa simptomima metaboličkog sindroma
Relationship between serum chitotriosidase activity and LDL phenotype in patients with developing metabolic syndrome
Martina Horvat, Željka Vogrinč, Milica Trbojević-Čepe
- J12 MakroCK-tip 1 izoenzim - prikaz slučaja
MacroCK-type 1 isoenzyme - a case report
Marina Pavić, Lara Milevoj Kopčinović, Dragana Šegulja, Danica Matišić
- J13 Nivo proadrenomedulina u ranoj fazi septičkog šoka
Proadrenomedullin levels in the early phase of septic shock
Alessandra Barassi, Raffaele Pezzilli, Luca Massaccesi, Giancarlo Goi, Angela Leone, Clara Anna Linda Damele, Rossana Stefanelli, Gian Vico Melzi d'Erl
- J14 Proizvodi Plasmodium falciparum utječu na aktivnost glikohidrolaze vezane na membranu humanih eritrocita
Human erythrocyte membrane-bound glycohydrolases activity is affected by Plasmodium falciparum products
Gian Vico Melzi d'Erl, Luca Massaccesi, Giancarlo Goi, Nadia Papini, Silvia Parapini, Donatella Taramelli, Angela Leone, Clara Anna Linda Damele, Rossana Stefanelli, Nicoletta Basilico, Alessandra Barassi
- J15 Evaluacija koncentracije mijeloperoksidaze u plazmi pacijenta sa erektilnom disfunkcijom arteriogenskog i ne-arteriogenskog podrijetla
Evaluation of plasma myeloperoxidase in patients with erectile dysfunction of arteriogenic and non-arteriogenic origin
Alessandra Barassi, Elena Dozio, Monica Gioia Marazzi, Elena Vianello, Giovanni Maria Colpi, Umberto Solimene, Clara Anna Linda Damele, Angela Leone, Rossana Stefanelli, Massimiliano Marco Corsi Romanelli, Gian Vico Melzi d'Erl
- J16 Rane razine retinol-vezujućeg proteina su povezane s promjenama rasta u djece čije su majke imale gestacijsku šećernu bolest
Early retinol-binding protein levels are associated with growth changes in infants born to diabetic mothers
Gian Vico Melzi d'Erl, Gaia Francescato, Massimo Agosti, Luca Massaccesi, Giancarlo Goi, Clara Anna Linda Damele, Angela Leone, Rossana Stefanelli, Carlo Agostoni, Alessandra Barassi
- J17*** Monoklonska gammapatija otkrivena pri pretraživanju na oligoklonski IgG tijekom dijagnostičke obrade multiple skleroze
Monoclonal gammopathy as an accidental finding on CSF isoelectric focusing for oligoclonal IgG used as part of the diagnostic workup for multiple sclerosis
Ines Vukasović, Andrea Tešija Kuna, Vanja Bašić Kes, Dubravka Čaržavec, Nada Vrkić
- J18 Nevjerojatna kritična vrijednost – prikaz slučaja
Unbelievably critical value – case report
Gordana Tkalec, Lidija Ivković, Bojana Kranjčec
- J19 Značajnost mjerjenja koncentracije aminokiselina metodom tandemse spektrometrije masa u dijagnostici i praćenju liječenja argininosukcinične acidurije
Significance of measuring amino acid concentrations on tandem mass spectrometer in diagnosing and follow-up treatment of argininosuccinic aciduria
Ana Škarić, Marija Zekušić, Ksenija Fumić, Karmen Bilić, Dunja Rogić, Johannes Häberle, Danijela Petković-Ramadža, Vladimir Sarnavka, Ivo Barić
- J20 Optimizacija metode za određivanje katalitičke aktivnosti ekto-ATPaze u ljudskom serumu
Optimization of the method for determination of the catalytic activity of ecto-ATPase in human serum
Anita Somborac Bačura, Karmela Barišić, Monika Janković, Diana Salem, Ognjen Čulić, Tihana Žanić Grubišić

- J21 Određivanje makropolaktina taloženjem s polietilen glikolom
The detection of macroprolactin by polyethylen glycol precipitation method
Iva Lukić, Tihana Pavošević, Vesna Horvat, Sanja Mandić, Vatroslav Šerić
- J22 Prikaz dva novootkrivena slučaja cistične fibroze; vrijednost istovremenog korištenja dijagnostičkih testova: kloridi u znoju/fekalna elastaza
Report of two recently discovered cases of cystic fibrosis; the value of the simultaneous use of diagnostic tests: chloride in sweat and fecal elastase
Irena Linarić, Jasna Obuljen, Oleg Jadrešin
- J23 Biro predavača: novi obrazovni resurs u ponudi Evropske federacije za kliničku hemiju i laboratorijsku medicinu (EFLM)
Speakers Bureau: a new educational resource offered by European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)
Andjelo Beletić, Elizabeta Topić, Sverre Sandberg, Mauro Panteghini

Kako je nastao Mrtvi kanal?

Izgradnjom gatova na obje strane Rječine nagomilavao se pjesak što je često dovodilo do izljevanja Rječine i poplava u gradu Rijeci. Poslije jedne jače poplave, kada je voda dosegle sve do Korzo, odlučeno je da se Rječina regulira iskapanjem novog korita po pravcu toka rijeke za najvišeg vodostaja. Uz veliko ulaganje taj je iskop učinjen 1854./1855. godine, tako da je u staro korito puštena morska voda pa je nastao Mrtvi kanal. Mrtvi kanal do danas služi kao luka za barke i manje brodove.

What is the Dead channel?

The piers were built on the both sides of the river Rječina. Over the time the sand accumulated and this led to the constant river floods in the city of Rijeka. After one of the worst floods, when waters reached and flooded whole Korzo, it was decided that Rječina has to be regulated by digging a new river trough following the river's flow at the highest level. Big investment for construction of a new estuary was made in period from 1854 to 1855, and the Dead channel was created when the sea water filled the old river troughs. The Dead channel to this date serves as a port for boats and smaller vessels.





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Alvir Ilija	A03	Demir Meltem	I01
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Šegulja Dragana	A04, J12	Zekušić Marija	J19		
Šenjug Valentina	G11	Zorić Matea	G12		
Šerić Vatroslav	A05, B07, G06, H04, J09, J21	Ž			
Šimić Vojak Sanela	H03	Žanić Grubišić Tihana	J20		
Šimundić Ana-Maria	G17, G18, I07, I10	Žgrabić-Cetina Jadranka	E02		
Škaričić Ana	J19	Žic Andela	G08		
		Živković Maja	E01		
		Žlabravec Suzi	D01		
		Županić Danijela	G04		

Organizacijski odbor kongresa iskreno zahvaljuje svima koji su nesebično finansijski podržali organizaciju ovog skupa.

Organizing Committee extends its gratitude to all who generously contributed and financially supported the organization of this meeting.

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Industrijske radionice, mrežna stranica, kongresne iskaznice
Industry workshops, congress web page, congress badges



Industrijska radionica, svečano otvaranje kongresa
Industry workshop, congress opening ceremony



Stanka za kavu,
četvrtak, 24. rujna 2015.
Coffee break, Thursday,
24 September 2015



Reklamni materijal za kongresne torbe
Promotional material for congress bags



Nagrada za najbolji poster
Best poster prize



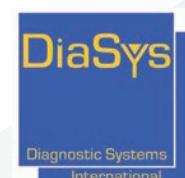
Industrijska radionica
Industry workshop



Reklama u konačnom programu
Advertisement in final program



Redomat
Queue organizer

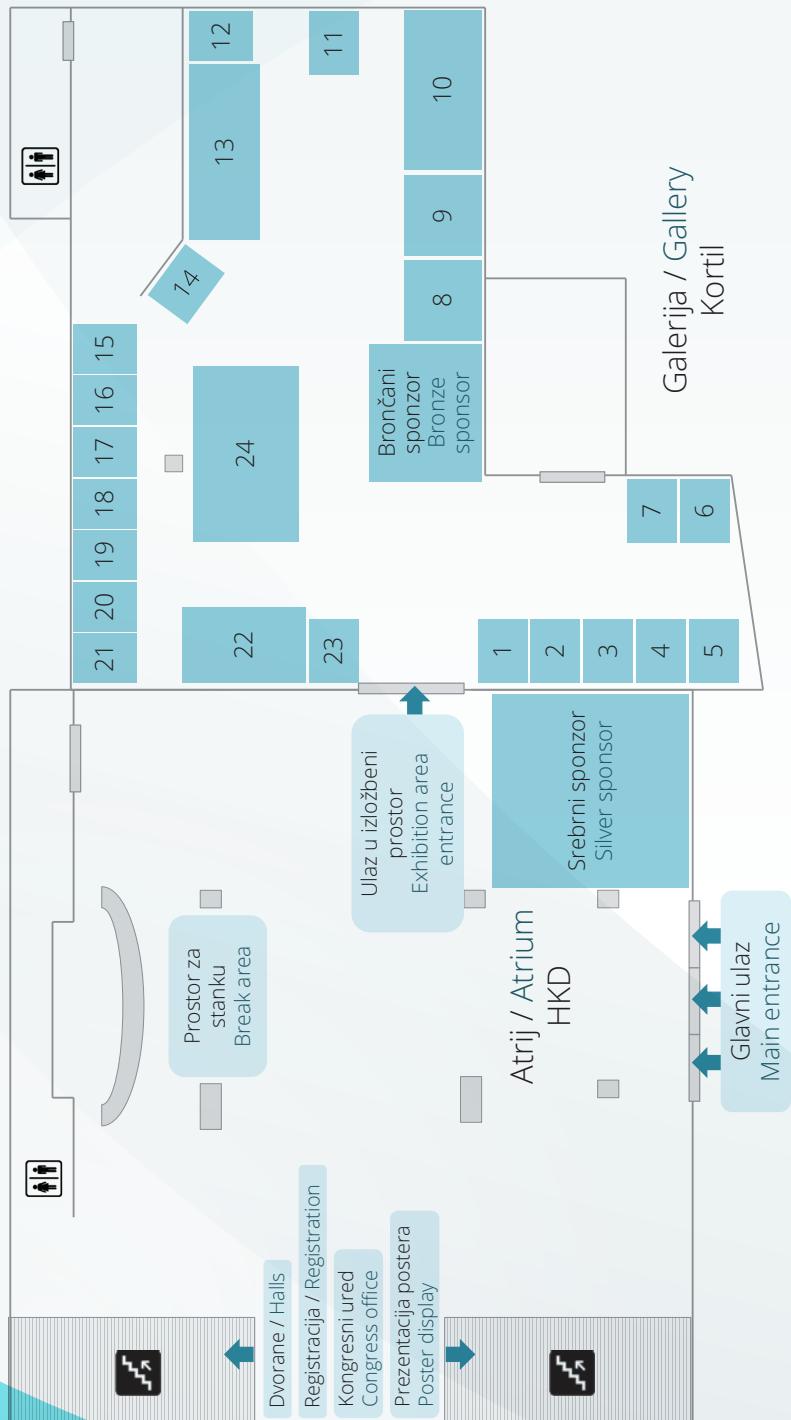


Industrijska radionica
Industry workshop

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IZLOŽBENI PROSTOR EXHIBITION AREA



POPIS IZLAGAČA LIST OF EXHIBITORS

Srebrni sponzor – Roche d.o.o.



Brončani sponzor – Beckman Coulter d.o.o.



1 – Sensamed d.o.o.



2 – Poloplus d.o.o.



3 – Diagnostica Skalpeli d.o.o.



4 – INEL medicinska tehnika d.o.o.



5 – Sarstedt AG & Co



6 – IDS GmbH Germany



7 – Shimadzu d.o.o.



8 – Medical Intertrade d.o.o.



9 – Biomedica dijagnostika d.o.o.



10 – Siemens d.d.



11 – Metroteka d.o.o.



12 – IASON GmbH



13 – Mes d.o.o.



14 – Medico Inženjering d.o.o.



15 – Simon d.o.o.



16 – Source BioScience UK



17 – AlphaChrom d.o.o.



18 – Jasika d.o.o.



19 – Becton Dickinson Croatia d.o.o.



20 – IN2 d.o.o.



21 – B.I.G.B.L.U.E. d.o.o.



22 – Radiometer Magyarorszag Kft



23 – H.K.O. d.o.o.



24 – Abbott Laboratories d.o.o.





OPĆE INFORMACIJE GENERAL INFORMATION

Službeni jezici kongresa Congress official languages

Službeni jezici kongresa su hrvatski i engleski jezik. Nije osigurano simultano prevođenje.
The official languages of the Congress are Croatian and English. Simultaneous translation is not provided.

Mjesto održavanja kongresa Congress venue

Hrvatski kulturni dom na Sušaku i Hotel Neboder
[HKD Congress centre Sušak and Hotel Neboder](#)
Strossmayerova 1
51000 Rijeka, Croatia
Tel: +385 51 373 538
Fax: +385 51 373 541
<http://www.jadran-hoteli.hr/neboder/index.php>

Kotizacija Registration fee

Kotizacija je jednaka za cijelo vrijeme trajanja registracijskog razdoblja sve do početka kongresa kao i za vrijeme trajanja kongresa.

Registration fee will be unchanged throughout all registration period including all Congress days.

Kotizacija 2980 kn

Kotizacija za mlade (<35 god)* 2220 kn

Osobe u pratnji 840 kn

*osobe rođene 22. rujna 1980. ili kasnije

Kotizacija uključuje:

- Ulaž na sva plenarna predavanja, simpozije, posterske prezentacije, industrijske radionice, izložbeni prostor
- Kongresnu torbu s materijalima
- Kongresne sažetke
- Potvrđnicu o sudjelovanju
- Svečano otvaranje kongresa

Kotizacija za osobe u pratnji uključuje:

- Svečano otvaranje kongresa
- Ulaž u prostor za posterske prezentacije i izložbeni prostor

Registration fee 390 EUR

Young registration fee (<35 y)* 290 EUR

Accompanying person 110 EUR

*persons born on 22 September 1980 or later

Registration fee includes:

- Entrance to all plenary lectures, symposia, poster presentations, industry workshops, exhibition area
- Congress bag with materials
- Congress abstracts
- Certificate of attendance
- Congress opening ceremony

Registration fee for accompanying person includes:

- Congress opening ceremony
- Entrance to poster and exhibition area

Radno vrijeme registracijskog mjesta: Registration desk hours:

Utorak, 22. rujan 2015.	12:00 – 19:00
Srijeda, 23. rujan 2015.	8:00 – 18:00
Četvrtak, 24. rujan 2015.	8:00 – 18:00
Petak, 25. rujan 2015.	8:00 – 18:00
Subota, 26. rujan 2015.	Zatvoreno / Closed

Tuesday, 22 September 2015
Wednesday, 23 September 2015
Thursday, 24 September 2015
Friday, 25 September 2015
Saturday, 26 September 2015

Prilikom registracije obavezno predočiti potvrdu o uplati kotizacije. Registracije bez dokaza o uplati neće biti moguće. Za osobe koje su upatile kotizaciju za mlade također je potrebno predočiti i dokaz o datumu rođenja.

A copy of bank transfer receipt must be provided at the registration desk. Registrations without proof of payment will not be accepted. If young registration fee has been paid, evidence of date of birth should also be provided.

Kongresni ured Congress office

Kongresni ured bit će na raspolaganju svaki dan od 8:00 do 18:00 sati. Za sva predavanja osigurana su osobna računala (PC) s LCD projektorom. Predavači su dužni dostaviti svoje predavanje u obliku „Power point“ prezentacije na USB memorijском ključu u bilo kojem vremenu od početka kongresa, a najkasnije 30 minuta prije početka simpozija u okviru kojeg drže svoje predavanje.

Congress office will be available every day from 8:00 am till 6:00 pm. Computers (PC) with LCD projector will be provided for all lectures. Lecturers should provide their lecture in form of Power point presentation on USB media at any time from the beginning of the Congress but not later than 30 minutes before the beginning of the symposia in which they participate.

Kongresne iskaznice Congress badges

Svi sudionici kongresa dužni su nositi kongresne iskaznice tijekom cijelog trajanja kongresa. Predavanjima se može pristupiti samo uz predočenje odgovarajuće iskaznice.

All participants have to wear their badges throughout the Congress. Only participants with appropriate badges will be able to attend lectures.

Tirkizna – sudionici	Turquoise – participants
Ljubičasta – osobe u pratnji	Purple – accompanying person
Crvena – predavači i voditelji	Red – lecturers and chairs
Žuta – organizatori kongresa	Yellow – Congress organizers
Tamno plava – sponzori	Dark blue – sponsors
Zelena – izlagači	Green – exhibitors
Siva – ostalo osoblje	Grey – other staff

Potvrnice o sudjelovanju Certificate of attendance

Potvrnice o sudjelovanju mogu se podići od petka, 25. rujna 2015. godine na registracijskom mjestu, a nakon podmirenja svih dugovanja prema organizatoru kongresa.

Certificates of attendance will be issued at the registration desk starting from Friday, 25 September 2015 after settling all financial dues towards Congress organizer.

Važni telefonski brojevi Important phone numbers

Predbroj za Hrvatsku	+385	Country code
Žurna pomoć	112	Emergency number
Policija	192	Police
Hitna pomoć	194	Ambulance
Vatrogasci	193	Fire department
Pomoć na cesti	1987	Road assistance
Traganje i spašavanje na moru	195	Search and rescue at sea

Hotel Neboder: +385 51 373 538

Taxi Cammeo: +385 1212

Lux Taxi: +385 51 212 212

Taxi Fiume: +385 91 944 1733

Besplatan Wi-Fi Free Wi-Fi

Signalom besplatnog bežičnog pristupa Internetu pokriveno je područje gradskog središta od početka Korza (Jadranski trg) sve do autobusnog kolodvora Žabica, dio lučkog lukobrana oko Putničkog terminala, na Trsatu od Trsatske gradine do Dvorane mladosti. Besplatan bežični pristup bit će dostupan svim sudionicima kongresa u HKD-u Sušak i Hotelu neboder.

The signal coverage in the city centre covers the area starting from Jadranski trg at the beginning of Korzo to Žabica bus terminal, a part of the Rijeka breakwater near the passenger terminal, at Trsat from the Trsat Castle to the Youth Sports Hall. Free wi-fi will be provided for all participants at the Congress centre Sušak and Hotel Neboder.

Službeni fotograf kongresa Congress official photographer

TinyBizz Photography
GOOD PHOTOGRAPHY BY BAD GIRLS

<http://tinybizzphotography.com/>
info@tinybizzphotography.com

Izvor Zvir koji se nalazi u neposrednoj blizini grada i koji hrani vodom rijeku Rječinu i danas služi vodoopskrbi grada, prema mnogim mišljenjima, s najkvalitetnijom hrvatskom vodom.



The spring Zvir located close to the city, feeds with water river Rječina and today serves as the city's water supply with the water of the highest quality in Croatia.

Pokloni za sve sudionike, predavače i goste prikazuju narodne nošnje karakteristične za Primorje, Kvarner i otoke te Gorski kotar, a ručno ih je izradila **Marinka Premuš**, slikarica sa Sušaka, svojim umjetničkim opusom izrazito vezana za primorsku baštinu.

Gifts for all participants, lecturers and guests represent traditional clothing of Primorje, Kvarner, islands and Gorski kotar. They were handmade by **Marinka Premuš**, painter from Sušak, whose artistic work is deeply devoted to the local heritage.

Ples u narodnim nošnjama uz tradicionalno pjevanje „kanat”, može se vidjeti svake godine 15.8. na najvažnijoj svečanoj priredbi u Omišlju, Stomorini, blagdanu slavlja Uznesenja Blažene Djevice Marije. Tijekom 20. st. narodne ženske nošnje poprimaju moderan i veseli izgled s karakterističnom crvenom bojom sukњi i nadsuknjom od umjetne svile u pastelnim bojama. Starija verzija ženske narodne nošnja je sukňa crne boje s kratkim prslukom „župica” tamnih boja.

Traditional dance in costumes and way of singing kanat” can be seen every year on 15th August during one of the most festive events in Omišalj, Stomorina, a celebration of Assumption of the Blessed Virgin Mary. During the 20th century women's folk costumes acquired their distinctive modern and cheerful look with the characteristic red skirt and pastel colored apron made of artificial silk. Older version of the female folk costume is a black skirt with a short dark coloured vest “župica”.



Ono što šetnju Vrbnikom čini posebnom zasigurno je provlačenje kroz najužu ulicu na svijetu, Klančić. Kada stupite na glavni gradski trg, Placu, možda zateknete svatove, „pirovjane” jer je u Vrbniku još živ običaj održavanja svadbe na tradicionalan način. Ženska nošnja sastoji se od bijele košulje „stomanje”, pokrivala za glavu „tumban” i crvene jednostavne nošnje za neudate djevojke dok udane djevojke nose sukњe ukrašene raznobojnim vunenim resama.

One of the most special moments of walking tour of Vrbnik is squeezing through the narrowest street in the world, Klančić. When you reach the main square, “Placa”, you have a chance to find yourself in the middle of wedding party, “pirovjane” because in Vrbnik, the custom of traditional wedding ceremony is still present. Women's costume consists of a white shirt “stomanja”, headgear “tumban” and red simple costume for unmarried girls while married women wear skirts decorated with colorful woolen tassels.



Baška je smještena na južnom dijelu otoka Krka u prekrasnom zaljevu. Posebna je po svojoj 1800 m dugo šljunčanoj plaži, a njena uvala jedinstvena je po endemskoj biljci „Borbáševa lazarkinja“. Pitoreskni krajolik Bašćanske uvale kao da je preslikan i na ženskoj narodnoj nošnji koju krasiti duga zlatna koljena i cvjetna pregača „traversa“.

Baška is located in the southern part of the island of Krk in a beautiful bay. Baška is special for its 1800 m long pebble beach and Baška bay is unique in the world because it's the only place in the world where you can find famous endemic plant "Borbás woodruff". One could say that this picturesque landscape of Baška bay is mapped in the women's traditional costumes, garnished with long gold necklace and apron "traversa" with characteristic floral pattern.



Stanovnici Grobnika poznati su po svojim „maškaranim tancima“ (plesu) i tradicionalnim jelima palenti kumpirici, grobničkom siru i lijepoj narodnoj nošnji. Zanimljivo je da su udane žene nosile marame na točkice. Marama odnosno „rubac na točeti“ otkriva imovinsko stanje žene koja ga nosi. Što je više točki bilo i što su one bile veće njeni vlasnici bila je bogatija.

Grobnik is known by its carnival dances "maškarani tanci" and traditional meals such as corn semolina with potato, Grobnik's cheese and beautiful traditional clothes. It is interesting that the married women wore headscarves with dot printing, "rubac na točeti", and it was a symbol of her family fortune. The woman was wealthier as the dots were numerous and bigger in size.

Trg Kamplin u gradu Krku bio je u povijesti žarište društvenog života, a danas je mjesto Krčkog sajma ili Lovrečeva, povodom blagdana Sv. Lovre. Svi posjetitelji mogu osjetiti dašak srednjovjekovne i renesansne atmosfere, naučiti više o stariim zanatima, kušati tradicionalne kulinarske specijalitete, pogledati viteške borbe i folklorni ples u tradicionalnim nošnjama. Žensku nošnju grada Krka karakterizira žuta vrpca „rub“ kojom su žene pokrivale glavu. Žuta boja simbolizira je zlato.

The main square of the city of Krk, Kamplin, was the main point in the history of social life, and today is the place for the Krk Fair or Lovrečeva, the Feast of St. Lawrence. At these days all visitors can feel a touch of medieval and renaissance atmosphere, learn more about old crafts, taste traditional culinary specialties, see chivalry and folk dance in traditional costumes. Women's costumes from town of Krk are characterized by yellow ribbon "rub" for covering their heads. Yellow color symbolizes the gold.



*U doba karnevala,
pet nedjelja prije „mesopusta“ (dan
prije Čiste srijede) Bribirci sastave „paradu“
od 25 mladih ljudi koji svake nedjelje do mesopusta
obiđu 15 bribirskih zaseoka. Prepoznaju se po
glasnom udaranju bubenjeva, zvucima hamornike
triestinke, trube i tamburašima, mladim djevojkama
u nošnji crne boje ukrašene čipkom i crvenim
detaljima i mladićima u bijeloj nošnji izvezenoj
crvenom ili crnom vunom.*

In the time of carnival, five weeks before the “mesopust” (the day before Ash Wednesday) residents of Bribir form “The Bribir's Parade” of 25 young people. Each Sunday parade participants visit 15 villages in the Bribir's surroundings. You will recognize them by the loud beating of drums, the sound of accordion “triestine”, trumpets and guitar, young girls in traditional black costumes with lace and red decorations and young men in white costumes decorated with red or black wool.



Ukoliko vas put nanese u Novi Vinodolski za vrijeme „novaljskog mesopusta“, jednog od najstarijih narodnih običaja tog kraja, moći ćete uživati i u novljanskem narodnom kolu u kojem su mnogobrojni sudionici obučeni u narodnu nošnju. Vinodolska ženska narodna nošnja crne je boje ukrašena čipkom, vezom i crvenim detaljima, dok je muška bijela, izvezena crvenom ili crnom vunom.

If you get in Novi Vinodolski at the time of carnival or “mesopust” you will be able to enjoy the reel-dance of Novi “novljansko kolo”, national dance in which participants are dressed in traditional costumes. Women's black traditional costume is decorated with lace, embroidery and red details, while the male traditional costume is white, embroidered with red or black wool.



Gorani će vam ponosno ispričati kako oni uvijek puno pažnje posvećuju svom odijevanju, „rihtanju“. Mladići su uvijek bili odjeveni u odijela s „poštirkanim“ košuljama, a djevojke su nosile bijele haljine s pregačama zelene, crvene ili plave boje i cvjetnim motivom te vunenim pojasmom. Pažnja se posvećivala i modnim detaljima koje su najčešće činile ukrasna kopča „kluofn'ca“ ili koraljna ogrlica.

Residents of Gorski kotar will proudly tell you how they always devote a lot of attention on their clothes, “rihtanje”. Young men were always dressed in suits with well ironed and polished shirt (“poštirkana” košulja). The girls wore white dresses with green, red or blue aprons with floral motives and woolen belt. Very important detail of their traditional costume was decorative buckle “kluofn'ca” or coral necklace.



Kako bi se očuvao društveni identitet i odanost tradiciji predaka, Crikvenica je 1995. godine predstavila obnovljenu narodnu nošnju koja kroz svoju ljepotu utjelovljuje kulturu življenja i lijepo atribut grada. Kao i nekad, tako i danas, žensku narodnu nošnju obilježava vunena sukњa crne boje „sarza“ i prsluk „kas“ ili „buš“ ukrašen crvenom ili crnom bojom po rubovima ispod kojeg se nosi bijela lanena ili pamučna košulja „stomanja nabranica“.

In order to preserve the social identity and loyalty of its ancestors' tradition, Crikvenica presented the restored traditional costume in 1995. Its beauty embodies the culture of life and beautiful attributes of the city. Parts of the women's traditional costume are black wool skirt "sarza" with shoulder straps "kas" or "buš" decorated with red or black edges and a large white blouse made of fine linen "stomanja nabranica".



Iako Dobrinj nikada u svojoj povijesti nije dosegao niti 1000 stanovnika, od davnine se nazivao gradom. Stanovnici okolnih sela rekli bi da idu u „Grad“ kad bi išli u Dobrinj, a tada bi djevojke iz bogatih obitelji oblačile svečanu koloritnu sukњu „tesnek“, obrubljenu šarenim vunenim ukrasima i košulju s bogatom čipkanom kragnom oko vrata, ukrašenu crvenom vrpcom.

From ancient times, Dobrinj was called the "City", although it had never reached not even 1000 inhabitants during its history. When residents of nearby villages have gone into the "City", actually, they would go to Dobrinj and for this occasion girls from the wealthy families would wear traditional costume, festive skirt "tesnek", garnished with colorful ornaments and woolen white shirt with a wide lace collar around the neck decorated with a red ribbon.

Trg ispred hotela Continental mjesto ujedinjenja Rijeke

Grad Rijeka koji se prostire na dvije strane Rječine početkom prošlog stoljeća funkcirao je kao jedna cjelina što se tiče radnih mjeseta, prometa, svakodnevnog života, bez obzira što je s lijeve strane Rječine bio grad Sušak, a s desne grad Rijeka, talijanski Fiume. Nakon Prvog svjetskog rata Rijeka postaje dijelom dobivenog teritorija Kraljevine Italije, a Sušak dio novostvorene Jugoslavije te Rječina postaje granica.

Na mostu ispred hotela Continental s obje strane podižu se granični prijelazi i time jedna urbana cjelina postaje podijeljena. Takvo stanje trajalo je 20 godina sve do 3.5.1945. kada u grad ulaze borci Titove armije i ruše most pred Continentalom. Već sljedeće godine podignuta su dva nova mosta čime Sušak i Rijeka ponovno postaju ujedinjeni. U čast tog značajnog događaja 1955. godine podignut je Spomenik oslobođenja na Delti, a prostor nad Rječinom postao je najomiljenija gradska točka za okupljanje i druženje, posebno ljeti mladim Rječanima. Vjerovatno je upravo tu započelo najviše mladenačkih ljubavi i pokrenuta glavnina gradskih rock grupa po kojima je Grad postao poznat kao Rock grad. Zanimljivo je da je upravo mjesto pred Hotelom Continental postavljen i spomenik književniku Janku Polić Kamovu jedinom hrvatskom protoavanagardistu. Riječko brodogradilište „3. maj“ nosi upravo ime po ovom značajnom datumu.

*Square in front of the
Hotel Continental - a place of
Rijeka unification*

At the beginning of the last century, City of Rijeka, extended over two sides of the river Rječina. On the left side of the river was the city of Sušak, and on the right side was the city of Rijeka, Italian Fiume, but they functioned as a united city, concerning transportation, jobs and everyday life matters. After World War I and dissolution of Austro-Hungarian Empire, Rijeka became a part of the territory of the Kingdom of Italy and Sušak part of the newly established state Yugoslavia, so the river Rječina became the border. Border crossings were raised on the both sides of the bridge in front of the Hotel Continental and therefore an urban whole became divided. This situation lasted for 20 years until the 3th of May 1945 when the Yugoslavian army entered the city and destroyed the bridge in front of Hotel Continental. The very next year they built two new bridges which again united Sušak and Rijeka. In honor of this significant event, in 1955, the Liberation Monument at Delta was raised, and this area became a favorite city point for gathering and socializing, especially in the summer for all the young people in Rijeka. This is probably a place where the largest number of youthful love began and the majority of the city's rock groups, which gave Rijeka mark of Rock city, were launched. Setting the monument in honor of only Croatian pro avant-garde writer, born in Rijeka, Janko Polić Kamov, on the bridge in front of the Hotel Continental shows the significance of this point in Rijeka history. Famous Rijeka's shipyard "3th of May" also holds the name of this historical date.



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