



Savez farmaceutskih udruženja Srbije
Pharmaceutical Association of Serbia

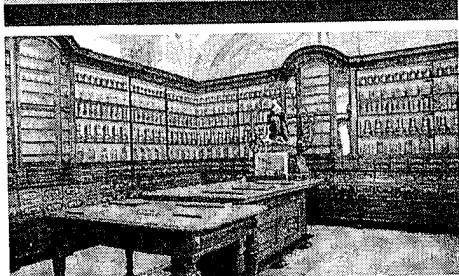
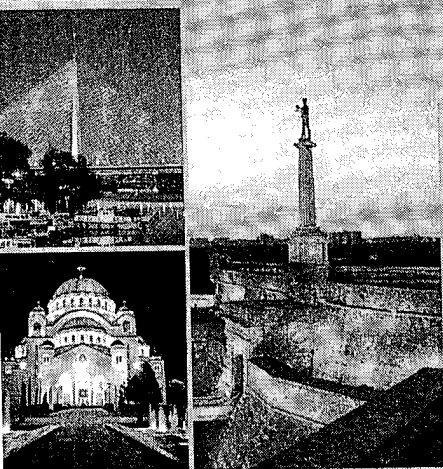


Univerzitet u Beogradu-Farmaceutski fakultet
University of Belgrade-Faculty of Pharmacy

VI

KONGRES FARMACEUTA SRBIJE
sa međunarodnim učešćem

SERBIAN CONGRESS OF PHARMACY
with international participations

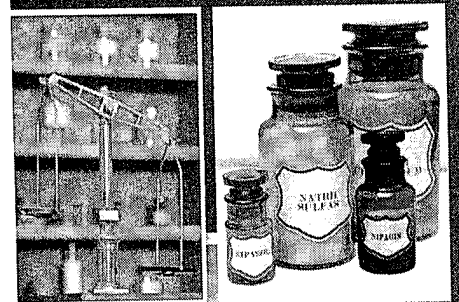


FARMACIJA U SLUŽBI ZDRAVLJA
NAUKA I PRAKSA
THE ROLE OF PHARMACY IN HEALTH SERVICE
SCIENCE AND PRACTICE

ZBORNIK SAŽETAKA ABSTRACT BOOK

15-19. oktobar 2014.
Beograd, hotel Crowne plaza

October 15th-19th 2014.
Belgrade, Hotel Crowne plaza



Pokrovitelj
Ministarstvo zdravlja Republike Srbije
Under the Auspice of
Ministry of Health, Republic of Serbia

Savez farmaceutskih udruženja Srbije
Pharmaceutical Association of Serbia

Univerzitet u Beogradu - Farmaceutski fakultet
University of Belgrade - Faculty of Pharmacy

VI KONGRES FARMACEUTA SRBIJE
sa međunarodnim učešćem
ZBORNİK SAŽETAKA

VI SERBIAN CONGRESS OF PHARMACY
with international participations
ABSTRACT BOOK

15-19. oktobar 2014.
Beograd, hotel Crowne plaza

October 15th-19th, 2014
Belgrade, Hotel Crowne plaza

VI KONGRES FARMACEUTA SRBIJE
sa međunarodnim učešćem
ZBORNİK SAŽETAKA

VI SERBIAN CONGRESS OF PHARMACY
with international participations
ABSTRACT BOOK

Glavni urednik/Editor in Chief
Vesna Matović

Recenzenti/Reviewers

Danica Agbaba, Mirjana Antunović, Ivana Arsić,
Nina Dragičević-Čurić, Zorica Đurić, Svetlana Ibrić,
Zorana Jelić-Ivanović, Nada Kovačević, Dušanka Krajnović,
Gordana Leposavić, Anđelija Malenović, Momir Mikov,
Jela Milić, Branislava Miljković, Jelena Parojčić,
Radica Stepanović-Petrović, Slađana Šobajić,
Ljiljana Tasić, Gordana Vuleta

Izdavač/Publisher

Savez farmaceutskih udruženja Srbije
Pharmaceutical Association of Serbia

Tehnički urednik/Technical Editor

Aleksandra Buha

Grafička priprema/Prepress

Atelje, Beograd
www.atelje.rs

Štampa/Printing

Dosije studio d.o.o, Beograd
www.dosije.rs

Tiraž/Circulation

1.200 primeraka

ISBN 978-86-918145-0-2

Sadržaj/Co

PLENARNA PRE
PLENARY LECTU

PLEDAVANJA P
INVITED LECTU

USMENA SAOPS
ORAL PRESENT

POSTERI
POSTER PRESE

INDEKS AUTO
INDEX OF AUT

A

- Agbaba, D. 20, 103, 164, 166, 174, 189, 190, 203, 207, 208
Agić, R. 381
Ajanovski, G. 385
Alagić-Džambić, L. 197, 392
Aleksić, A. 426
Aleksić, J. 139
Anđelković, K. 268
Angelovska, B. 460
Antić, D. 409, 430
Antonić, R. 113
Antonijević, B. 423, 424, 434, 448, 452
Antonijević, E. 423, 448, 452
Antonijević, M.D. 36
Antovska, P. 381
Antunović, M. 424
Antunović, M. 129, 149, 150, 210, 429, 434, 439, 440, 446, 451
Antunović, V. 185, 213
Arandelović, A. 131
Arbanas, D. 271, 272
Arsenijević, J. 106, 332
Arsenijević, N. 42
Arsić, I. 91, 125, 147, 373, 457
Arsić, J. 280, 282, 283, 288
Arsić, S. 282
Atanasova, M. 460
Athuraliya, N. 71
Avdić, N. 197, 392

B

- Babunovska, H. 202, 204, 205, 214
Bach-Rojecky, L. 242
Bačić Vrca, V. 277, 304, 311
Bajčić, M. 369, 378
Bakovska, T. 194, 196
Baralić, M. 415
Bartoszek, M. 335
Bašić, J. 172
Batinić, B. 246
Bautista-Aguilera, O.M. 20
Bečić, E. 202, 347
Begić, A. 435, 444
Begović, B. 455
Bekčić, S. 303
Beloica, S. 400
Benković, I. 277
Bigović, D. 108

- Bilia, A.R. 146
Bjeletić, J. 276, 284, 312, 322
Blažin, J. 286
Bobby, C. 154
Boeing, H. 81
Bogavac Stanojević, N. 292
Bogićević, D. 356
Bojanić, J. 355
Bojanić, Lj. 355, 407, 411, 461
Bojović, D. 140
Bojović, M. 357
Borić, A. 381
Bosiljčić, D. 364
Bošković, M. 149, 150
Božić, B. 166
Božić, D. 343
Božović, J. 360
Brajković, G. 205, 436, 437
Branković Minčić, D. 278
Branković, S. 108
Brborić, J. 163
Breitkreutz, J. 12
Breznica-Selmani, P. 173
Brkić, J. 262, 270, 276, 294, 306, 309, 312, 314, 315, 316
Brzaković, B. 156, 240
Bubić Pajić, N. 380, 382, 387, 394
Bučevac, J. 157
Bufan, B. 121
Bugarski, I. 449
Buha, A. 422, 423, 424, 448
Bukva, A. 322
Bulat, Z. 423, 424, 434, 445, 449, 452
Buljina, M. 420
Bundalevski, V. 385
Butikoski, F. 381

C

- Carreiras, M. 20
Catić-Đorđević, A. 231
Cekić, N. 372, 374, 398
Cervenka, I. 431
Charisiadis, P. 44
Chave, J. 9, 100
Crcarevska, M.S. 418
Crevar Sakač, M. 101
Crnčević, E. 348
Crnjanski, T. 159, 227, 279, 286, 309, 320
Cvetković, N. 393
Cvetkovikj, I. 442
Cvijić, S. 134, 397, 400

Regulativa u farmaciji Regulatory Affairs in Pharmacy

Legal Status of the Pharmacies and Pharmacy Practice in R. Macedonia Concerning Recent Changes in the Legislation

J. Patceva

Pharmaceutical Chamber of Macedonia

The pharmacies and the pharmacy practice in R. Macedonia are regulated by several Laws and Bylaws.

Having in mind the differences in the legal status of the pharmacy practices in different countries, and the absence of the Law in Pharmacy Practice in Macedonia the objectives were to review and compare legal status in Macedonia and some European countries considering the recent legal changes and to prepare the set of recommendations.

The review on the regulations regarding pharmacy practice in selected countries suggests that there are differences in individual segments considering establishing criteria, requirements and competences of the working staff, number and quality of provided services, liberalization of the market of the OTCs. The recent changes in the Macedonian legislation apply on the ownership criteria for pharmacies and wholesale companies for example, the owner of the pharmacy, must be pharmacist and the owner of the wholesale company and his/her/their closer relatives could not be owner(s) of the pharmacy nor to have any corporate, business and managerial relations to pharmacies owned by motioned relatives. The other set of changes applies on permitting OTCs to be sold outside pharmacies like supermarkets and petrol stations. These changes already started to influence pharmacy market.

Some essential changes in the legal system in R. Macedonia are more than necessary, like bringing Law in Pharmacy practice, but some, like recently brought, are expected to change radically the status and the role of the pharmacies and the pharmacists.

jpatceva@hotmail.com



Ethical and Regulatory Aspects of Clinical Trials in Paediatric Population in the Republic of Macedonia

V. Ivanovska¹, B. Angelovska¹, M. Atanasova¹, V. Ivanova¹

¹Faculty of Medical sciences, University "Goce Delcev" - Stip, R. Macedonia

Clinical trials in children should be carried out to provide adequate protection whilst recognising the right to benefit from research. Their vulnerability emphasizes the responsibility to ensure parental permission and assent of able children, assurance of direct benefit for the child with the particular condition, minimization of risk, and scientific necessity of the research. Although there may be ethical concerns about conducting paediatric trials, this has to be balanced by the ethical concerns about giving

medicines to a paediatric population or drug effects efficacy or to av

Many countries The Directive 20 the EU to protec We aimed to in the Republic c

The Ministry Its articles 9 and describe the enr parental permiss

National heal research in childr

Regulativa u B količinama olo

M. Đermanović, Lj. I
Institut za zaštitu zdravl

Pravilnikom o ni (Službeni glasnik) nitrata, mikotoksi aromatskih ugljov u hrani i mjere k voljenih količina. 315/93, EC 1881/2 materija) po ovor za zdravlje ljudi, postupaka tokom skladištenja hrane tržište hrane koja količinama navede dopunjuju normal drugih supstanci s ovu grupu proizvo 0,1mg/kg. Upotreb veća stručna i nauč ovih proizvoda. Br broj prisutnih proi

medicines to a population in which they have not been tested. Specific clinical trials in paediatric populations are required due to age-related differences in the drug handling or drug effects which may lead to different formulation or dose requirements to achieve efficacy or to avoid adverse effects.

Many countries have adopted regulations or guidelines specific to paediatric research. The Directive 2001/20/EC and Regulation 536/2014 have laid down specific requirements in the EU to protect children who take part in clinical trials.

We aimed to investigate regulations that specify the conduct of clinical trials in children in the Republic of Macedonia.

The Ministry of Health developed the *Rulebook* for the conduct of clinical trials in 2009. Its articles 9 and 10 specifically regulate the protection of children in Macedonia. They describe the enrollment conditions for children in clinical trials, including the provision of parental permission, child assent and the role of the ethics committee.

National health authorities have adopted regulation to balance the benefits and risks of research in children in line with the EU regulations.

marija.atanasova@ugd.edu.mk



Regulativa u Bosni i Hercegovini o maksimalno dozvoljenim količinama olova, kadmijuma i žive u dodacima hrani

M. Đermanović, Lj. Bojanić, S. Stanić
Institut za zaštitu zdravlja Republike Srpske

Pravilnikom o maksimalno dozvoljenim količinama za određene kontaminante u hrani (Službeni glasnik BiH, broj 37/09 i 39/12) propisuju se maksimalno dozvoljene količine nitrata, mikotoksina, metala, metaloida, 3-monohlorpropandiola (3-MPCD), policikličnih aromatskih ugljovodonika, dioksina i polihlorisanih bifenila (PCB) sličnih dioksinima u hrani i mjere koje se preduzimaju u slučaju prekoračenja njihovih maksimalno dozvoljenih količina. Pravilnik je usaglašen sa propisima Evropske unije i to direktivama EEC 315/93, EC 1881/2006, EC 1126/2007, EC 565/2008 i EC 629/2008. Kontaminant (štetna materija) po ovom propisu je biološka, hemijska, radiološka ili fizička materija štetna za zdravlje ljudi, koja nije namjerno dodata hrani, a čije je prisustvo u hrani posljedica postupaka tokom proizvodnje, prerade, pripreme, tretiranja, pakovanja, transporta ili skladištenja hrane, ili je posljedica zagađenja životne sredine. Zabranjuje se stavljanje na tržište hrane koja sadrži kontaminante koji nisu u skladu sa maksimalno dozvoljenim količinama navedenim u aneksu ovog pravilnika. Dijetetski suplementi su preparati koji dopunjuju normalnu ishranu i predstavljaju koncentrovane izvore vitamina, minerala i drugih supstanci sa hranljivim i fiziološkim efektima. Maksimalno dozvoljene količine za ovu grupu proizvoda iznose za olovo, kadmijum i živu redom $\leq 3,0 \text{ mg/kg}$, $\leq 1,0 \text{ mg/kg}$, $\leq 0,1 \text{ mg/kg}$. Upotreba dijetetskih suplemenata je veoma raširena i smatramo da je potrebna veća stručna i naučna pažnja da se obrati prilikom kontrole prisustva kontaminanata kod ovih proizvoda. Broj uzoraka koji prolaze službenu kontrolu je u porastu, ali obzirom na broj prisutnih proizvoda na tržištu još uvijek je veoma mali.