



**Farmaceutska komora
Crne Gore**
Pharmaceutical Chamber of Montenegro



Univerzitet Crne Gore
MEDICINSKI FAKULTET
STUDIJSKI PROGRAM - FARMACIJA

Treći kongres farmaceuta Crne Gore sa međunarodnim učešćem
The Third Congress of Pharmacists of Montenegro with international Participation

ZBORNİK SAŽETAKA BOOK OF ABSTRACTS

**NOVI HORIZONTI U FARMACIJI - IZAZOVI I MOGUĆNOSTI
NEW HORIZONS IN PHARMACY - CHALLENGES AND OPPORTUNITIES**

09.-12. maj 2019. godine
BUDVA, BEČIČI

POD POKROVITELJSTVOM



MINISTARSTVO ZDRAVLJA
CRNE GORE



KNJIGA SAŽETAKA

GLAVNI UREDNIK:
Zorica Potpara

REDAKCIJSKI ODBOR:
Vera Dabanović
Katarina Milošević –Kostadinović
Tanja Vojinović
Snežana Pantović
Maja Stanković
Dragica Bojović
Svetlana Ibrić
Jovana Krivokapić
Tea Dakić

TIRAŽ: 650
IZDAVAČ: Prisma - korporativne komunikacije
DIZAJN: Prisma - korporativne komunikacije
ŠTAMPA: Nikić Digital
Rukopisi se ne vraćaju

ISBN 978-9940-9314-7-6



9 789940 931476 >

CIP - Каталогизacija у публикацији
Национална библиотека Црне Горе, Цетиње

ISBN 978-9940-9314-7-6
COBISS.CG-ID 38432528

3. KONGRES FARMACEUTA CRNE GORE SA MEĐUNARODNIM UČEŠĆEM
3rd CONGRESS OF PHARMACISTS OF MONTENEGRO WITH INTERNATIONAL PARTICIPATION

NOVI HORIZONTI U FARMACIJI
IZAZOVI I MOGUĆNOSTI

NEW HORIZONS IN PHARMACY CHALLENGES
AND OPPORTUNITIES

KNJIGA SAŽETAKA / BOOK OF ABSTRACTS

09.-12. maj 2019. godine
BUDVA, BEČIĆI

KP-4 ZNAČAJ STABILNOSTI PROBIOTSKIH PREPARATA ZA NJIHOVU BEZBEDNOST I EFIKASNOST 98 Davor J. Korčok, Nada Tršić-Milanović, Bogdan Mitić	
KP-5 ODGOVORNO SAMOLIJEČENJE KOD RESPIRATORNIH INDIKACIJA..... 100 Arijana Meštrović	
KP-6 MIKROBIOTA I UPOTREBA PROBIOTIKA 102 Katarina Milošević Kostadinović	
KP-7 ULOGA FARMACEUTA U TRETMANU AKUTNE DIJAREJE 104 Brigita Smolović	
KP-8 ULOGA I ZNAČAJ LIZOZIMA U LEČENJU OBOLJENJA SLUZNICE USNE ŠUPLJINE I GRCLA .. 106 Nenad Ugrešić	
V POSTER PREZENTACIJE.....PSP-1 DO PSP-57	
PSP-1 ISPITIVANJE SVOJSTAVA TEČNO-ČVRSTIH SISTEMA PRI KOMPRESIJI 110 Ivana Aleksić, Ilija German Ilić, Sandra Cvijić, Mila Kovačević, Jelena Parojčić	
PSP-2 ZNAČAJ I ULOGA BOLNIČKOG FARMACEUTA U FARMACEUTSKOJ ZDRAVSTVENOJ ZAŠTITI 112 Kristina Anđelić, Bojana Čabarkapa, Tijana Koprivica	
PSP-3 MARKET ANALYSIS OF MOST PRESCRIBED ANTIBIOTICS IN REPUBLIC OF NORTH MACEDONIA 114 Angelovska Bistra, Drakalska Elena, Zdravkova Veneta	
PSP-4 p-SCN-Bn-DOTA-TRASTUZUMAB IMMUNOCONJUGATES AND VIBRATIONAL SPECTROSCOPY EXAMINATION 115 Marija Sterjova Arev, Predrag Džodić, Petre Makreski , Emilija Janevik-Ivanovska	

PSP-3

MARKET ANALYSIS OF MOST PRESCRIBED ANTIBIOTICS IN REPUBLIC OF NORTH MACEDONIA

Angelovska Bistra¹, Drakalska Elena¹, Zdravkova Veneta¹

¹University, Goce Delcev"- Stip, Faculty of Medical Sciences, Department of Pharmacy

Antibiotic resistance is global concern to public health that lead to unfavorable therapeutic effect, compromises the therapy and also increases the cost of treatment and hospital stay. Monitoring and analysis of consumption of antibiotics is general responsibility of pharmacists that contribute to adaptation of measures and guidelines in order to rationalize the antibiotic use to limit the antibiotic resistance.

The aim of this study is to analyze antibiotic consumption in Republic of North Macedonia in period of 2011-2016. For this purpose, we used relevant data from primary, secondary and tertiary literature, recommendations from Evidence-based Medicine, official data from world and national drug registers and published reports from the HIF of Republic of Macedonia from the Positive List for the period 2011-2016 in order to determine the trends of antibiotic consumption and their effect of increased occurrence of multiresistant bacterial species. Unfortunately, in this analysis antibiotics released without prescription are not included due to lack of evidence data.

According to data obtained from HIF, WHO, EMA and EBM, most commonly prescribed antibiotics in Republic of North Macedonia are beta-lactam antibiotics, especially penicillin and cephalosporin derivatives. In conclusion, consumption of antibiotics in Republic of North Macedonia and EU countries is in significant growth that leads to bacterial resistance.

Key words: antibiotics, analysis, resistance, consumption