



Regional Chapter Annual Report - 2015

Pharmacoepidemiological/Pharmacoeconomic workshops; Andrija Stampar Teaching Institute of Public Health, Zagreb. Themes and Discussion leaders in 2015: Prevention and Treatment of the Cervical Cancer Therapy of Melanoma Atopic Dermatitis Therapy of Hepatitis C Diabetic Kidney Disease Monitoring of Drug Consumption in Croatia Placebo and nocebo Diabetes as Public Health Challenge Palliative Care Therapy of Lymphoma Biotechnology Department, University of Rijeka Graduate study Pharmacoeconomics 2,0 ECTS School of Medicine, Josip Juraj Strossmayer University Osijek Postgraduate doctoral study in biomedicine and health. Pharmacoeconomics 1,0 ECTS Program To provide specialized training in the economics and management of health services and pharmaceutical products (Health Economics and Pharmacoeconomics). The concept of management in the health sector and the pharmaceutical sector is understood in the broadest sense of the term and includes public sector services, centers and services belonging to health care institutions at any level of care, pharmaceutical service providers, agencies for the evaluation of drugs and medical technologies, together with the pharmaceutical industry, pharmaceutical distributors, insurance companies and consultancy and advisory firms. The program is aimed especially at these graduates and health sector professionals, and offers an academic training with a high reputation on the market. Students are not required to have previous knowledge of economics. The program is based on three fundamental characteristics: 1. Rigorous and academic course content approached from the standpoint of economics and management. 2. The use of e-learning methods to convey knowledge, to elicit the acquisition of skills and to encourage learning through the right combination of individual and group work via virtual media. 3. Rigor in both content and working methods and continuous assessment of the knowledge acquired. School of Pharmacy and Biochemistry, University of Zagreb Postgraduate study in clinical pharmacy Pharmacoeconomics 1,0 ECTS Program Postgraduate study program provides additional training of pharmacists as active participants in the health care delivery system. The content and objectives of the study participants allow replenishment of knowledge acquired during their graduate studies, that it has become necessary in the modern health care system. The pace of constant accumulation of new scientific and technical knowledge in the field of biomedicine, and the development of new, powerful and often of difference drugs on the one hand, increasing the number of chronic diseases and increasing the proportion of elderly in the population, on the other hand, significantly makes more complex contemporary pharmacotherapy. It is necessary to face increasing challenges and professional problems, such as polypharmacy, medication errors, drug interactions, which may lead to unwanted complications to the health

Describe your Chapter's accomplishments for 2015 with regard to Scientific and Educational activities.



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of patients, and further increase the already rising overall health care cost. Modern drug therapy needs new knowledge and skills in order to properly answer the challenges of the time. Pharmacist at their place and role in the way of prescribing the drug to the application, takes the place of the last official inspection, and is obliged and able to significantly influence the direction of a rational and safe use of medicines. Therefore, further professional education of pharmacists is almost necessary. Clinical Pharmacy provides additional knowledge and skills of pharmacists in the practice of public and hospital pharmacies ie institutions which are prescribed and administered medications, shifting the focus of professional interest to classical pharmaceutical knowledge of chemistry, synthesis and development of drugs to the patient or the population and their security. Cooperation agreement between ISPOR - Regional Chapter Bosnia and Herzegovina and ISPOR - Chapter Croatia, signed 1. December 2015 in Zagreb, Croatia.

Selected scientific articles in journals

1. Leppée M, Culig J, Mandić K, Eric M. 3Ps - Pharmacist, Physician and Patient: Proposal for Joint Cooperation to Increase Adherence to Medication. *West Indian Med J* 2014;63(7): doi:10.7727/wimj.2013.222
2. Conference papers
Culig J, Leppée M, Maric-Bajs M, Trinki M, Urek R, Radman I. Methods of measurement adherence to medication. *Eur J Public Health* (2015) 25 (suppl 3):450: ckv176.205 DOI: <http://dx.doi.org/10.1093/eurpub/ckv176.205> First published online: 6 October 2015 (1 pages). 8th European Public Health Conference, 14-17 October 2015, Milan, Italy.
3. Leppée M, Culig J, Radman I, Bago M, Prga I. Using Antihypertensive Drugs during Pregnancy. 25th European Meeting on Hypertension and Cardiovascular Protection, Milano, Italy, 12-15 June 2015; *Journal of Hypertension* 2015; 33(e-Supplement 1):e349.
4. Leppée M, Čulig J, Prga I, Momirović A. Mentalni poremećaji u primarnoj i stacionarnoj zdravstvenoj zaštiti u Hrvatskoj u razdoblju 2009-2013. 2nd International Conference on Creative Psychopharmacotherapy and VII hrvatski kongres o psihofarmakoterapiji, Dubrovnik, 23-26 rujan 2015.
5. Draganić P, Čulig J, Leppée M, Žeželić S, Bago M. Potrošnja psiholeptika (N 05) i psihoanaleptika (N 06) u Hrvatskoj po županijama u razdoblju od 2009 do 2013 godine. 2nd International Conference on Creative Psychopharmacotherapy and VII hrvatski kongres o psihofarmakoterapiji, Dubrovnik, 23-26 rujan 2015.
6. Leppée M, Culig J. Adherence to antidiabetic medication; a cross-sectional study. 19th International Nursing Research Conference, Cuenca, Spain, 17-20 November 2015.
7. Čulig J, Leppée M. Mjerenje neustrajnosti pacijenata prema terapiji primjenom različitih skala. 3. hrvatski epidemiološki kongres, Šibenik, 7-9. svibanj 2015.
8. Čulig J, Leppée M, Bosković J, Mandić-Zovko N. Measuring the Patient's Adherence by Two Methods



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(Patient Questionnaire and Medication Possession Ratio - MPR). Fifth Adriatic and Fourth Croatian Congress of Pharmacoeconomics and Outcomes Research. Peti jadranski i četvrti hrvatski kongres farmakoekonomike i istraživanja ishoda s međunarodnim sudjelovanjem Sibenik, Croatia, April 23-26. 2015. 9. Culig J, Momirovic A, Leppée M. Alternative way of data processing Culig scale. ESPACOMP Meeting, Prague, Czech Republic, 13-14 November 2015. Ágh T, Inotai A, Szilberhorn L, Culig J, Petrova G, Visnansky M, Kaló Z. A Novel Method For Calculating Medication Adherence to Poly-Pharmacotherapy by Linking General Practice Prescribing Data and Pharmacy Dispensing Records. 18th Annual European Congress, Milan, Italy, 7-11 November 2015. Krnic D, Anic-Matic A, Dosenovic S, Draganic P, Zezelic S, Puljak L. National consumption of opioid and nonopioid analgesics in Croatia: 2007-2013. Ther Clin Risk Manag. 2015 Aug 28;11:1305-14
Draganić P. The Health Care System and Reimbursement Policy in Croatia News Across Central & Eastern Europe; ISPOR Central & Eastern Europe Network Newsletter Volume 3 Issue 1 Summer 2015

Describe your Chapter's accomplishments for 2015 with regard to Policy-related activities.

1. The Commission for Establishing the Medical Indication of Marijuana, Pharmacoeconomic analysis
2. Directives on Use of Drugs to the List
3. Pharmacoepidemiology & Pharmacoeconomics Departments in Andrija Stampar Teaching Institute of Public Health, Zagreb. BIA analysis: gadopenat dimeglumin (MultiHance®), saksagliptin (Komboglyze®), dapagliflozin (Forxiga®).



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Describe your Chapter's accomplishments for 2015 with regard to Chapter meetings or conferences.

Describe your Chapter's accomplishments for 2015 with regard to membership engagement.

Is your Chapter affiliated with any institutions, universities, government or associations (other than ISPOR)? If yes, please list and describe the nature of these affiliations(s).

Does your Chapter collect membership dues or fees from individuals for local Chapter membership? If yes, how much are the dues?

How many ISPOR International members (paying dues to ISPOR Headquarters) does your Chapter have? Provide an estimate if you do not have an exact count.

Does your Chapter have any agreements or sponsorship arrangements with any for-profit companies, governments, health authorities or associations? If yes, please describe.

Does your Chapter employ paid administrative or management staff (Association Management Company, contracted staff)?

Other than the page for your Chapter on the ISPOR website, does your Chapter maintain a website?

When did your Chapter last update the ISPOR Chapter Constitution?

Has your Chapter (as a group, not as individual members) submitted formal comments or responses to any government or health authority in 2014 or 2015? If yes, what was the topic or issue?

1. ISPOR 18th Annual European Congress, Milan, Italy, 7-11 November 2015 Participation in ISPOR Forum F5: Capacity Building in Pharmacoeconomics and HTA in Central & Eastern European (CEE): Culig J. Opportunities to Grow
2. ISPOR CEE Publication Committee, Chair-Elect: Josip Culig
3. ISPOR 20th Annual International Meeting, May 16-20, 2015, Philadelphia, PA, USA Pero Draganić: The application of the HTA process and a reflection on the reimbursement
4. Draganić P. Challenges for Improving Health Care - Experience from Croatia. ISPOR Serbia 3rd International Congress on Health Economics and outcomes research; Belgrade, Serbia, September 25-26 2015.

Cooperation agreement between ISPOR - Regional Chapter Bosnia and Herzegovina and ISPOR - Chapter Croatia, signed 1. December 2015. in Zagreb, Croatia.

Yes

Several institutes of public health (Slovenia, Serbia, Austria, Hungary, Macedonia, Bosnia and Herzegovina), some universities (Osijek, Dubrovnik, Wien, Salzburg,

No

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Yes

With ISPOR - Bosnia and Herzegovina Chapter

No

No

In the last year.

No



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Does your Chapter (as a group, not as individual members) interact in some way with the HTA or other official guidelines in your country? If yes, please name guideline(s) and describe.

No

Does your Chapter have any committees or special interest groups? Please indicate and briefly describe.

No

Academia %

20

Government/HTA Agency %

20

Industry %

Consulting %

40

Clinicians %

10

Student %

Other %

What benefits does your Chapter offers to its members?

1. Rigorous and academic course content approached from the standpoint of economics and management. 2. The use of e-learning methods to convey knowledge, to elicit the acquisition of skills and to encourage learning through the right combination of individual and group work via virtual media. 3. Rigour in both content and working methods and continuous assessment of the knowledge acquired.

What are the most significant achievements of your Chapter in 2015?

Postgraduate study program provides additional training of pharmacists as active participants in the health care delivery system. The content and objectives of the study participants allow replenishment of knowledge acquired during their graduate studies, that it has become necessary in the modern health care system.

What are the greatest challenges facing your Chapter?

Cooperation with other chapters in region

How does your Chapter fulfill ISPOR's mission to promote health economics and outcomes research excellence to improve decision making for health globally? Describe how it supports the development and promotion of the discipline of health economics and outcomes research in your region.

Cooperation with other chapters in region (Serbia and Bosnia and Herzegovina)

How can the ISPOR organization as a whole (Staff, Board, Consortia, Networks, etc.) better support your Chapter?

Advice, financial support

Please indicate who prepared this report, include title, phone, email.

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