



Section for Clinical Pharmacology Serbian Medical Society

Serbian Medical Society, Belgrade, Džordža Vasiingtona 19

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Biographical particulars: **Dragana** (father Aleksandar) **Maca** (Christian name) **Kastratovic**; born in Belgrade, on March 17, 1961; married 2 times; son Srdjan Djani Z. Markovic, MD.

- Graduated from the Faculty of Medicine, University of Belgrade, on November 21, 1986 with the average score 8.82 (out of 10) and, accordingly, earned university qualification and professional title of a doctor of medicine.
- Passed the State exam for physicians on March 30, 1988, before the Board of the Republic Committee of Health and Social Policy of SRS and gained the title of a *doctor of medicine*.
- Passed her Board exam in clinical pharmacology on October 9, 1995 at the Faculty of Medicine, University of Belgrade, and earned the title of a *specialist in clinical pharmacology*.
- Completed her residency in Public Health Management at the Institute of International Management ISG Paris-New York-Tokyo, on July 20, 1992 and earned the title of a *health manager*.
- Earned master's degree at the Faculty of Medicine, University of Belgrade, on June 24, 1994, upon defending her master's thesis under the title: "Psychiatric and sociomedical characteristics of benzodiazepine use", as a part of WHO Project, thus earning the academic title of a *master of medical science*.
- Defended doctoral thesis entitled "The effect of beta adrenergic receptor blockers on antioxidative mechanisms of erythrocytes during reperfusion therapy of myocardial infarction", at the Faculty of Medicine, University of Belgrade, on September 28, 2007, and earned the academic title of a *doctor of medical science*.
- Professional title of *primarius* was gained on November 27, 2008, by Decision of the Ministry of Public Health of Serbia.

So far, has had 25 years of *service*:

- Since September 1, 2002, Dr Maca has been working in the Clinical Center of Serbia where initiated and organized the work of the first hospital unit of clinical pharmacology,

based on the Project “Center for clinical pharmacology of the Clinical Center of Serbia” approved by Scientific and Academic Board and Institutional Medical Board of the Clinical Center of Serbia.

- Earlier jobs: Inex-Interexport: Pfizer Pharmaceutical Company, Don-Joy, Smith&Ephy, Ego Zlin, domestic drugs; Cerebrovascular Diseases Hospital “St. Sava”; Belgrade’s City Institute of Gerontology and Home Care.

References:

A) The list of articles published in most recognized international journals

(M 21)

1. Park NJ, Zhou H, Elashoff D, Henson BS, **Kastratovic DA**, Abemayor E, Wong DT. Salivary microRNA: discovery, characterization and clinical utility for oral cancer detection. Clin Cancer Res, 2009;15(17):5473-5477.
2. Brinkmann O, **Kastratovic DA** (joint first author), Dimitrijevic MV, Konstantinovic VS, Jelovac DB, Antic J, Nesic VS, Markovic SZ, Martinovic ZR, Akin D, Spielmann N, Zhou H, Wong DT. Oral squamous cell carcinoma detection by salivary biomarkers in a Serbian population. Oral Oncol, 2011;47(1):51-55.
3. Elashoff D, Zhou H, Reiss JK, Wang J, Xiao H, Henson B, Hu S, Arellano M, Sinha UK, Le AD, Messadi D, Wang MB, Nabili V, Lingen MW, Morris D, Randolph TW, Feng Z, Akin D, **Kastratovic DA**, Chia D, Abemayor E, Wong DT. Pre-Validation of Salivary Biomarkers for Oral Cancer Detection. Cancer Epidemiol Biomarkers Prev, 2012;21(4):664-672.

B) The list of articles published in the international journals

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4. **Kastratovic DA**, Vasiljevic ZM, Spasic MB, Perunicic JP, Matic M, Blagojevic DP, Mijalkovic DN, Antonijevic NM, Markovic SZ, Gojkovic-Bukarica Lj, Stojiljkovic MP, Lasica RM, Jones DR, Nikolic-Kokic AL. Carvedilol increases copper-zinc superoxide dismutase activity in patients with acute myocardial infarction. Basic Clin Pharmacol Toxicol, 2007;101(2):138-142.
5. Majstorovic BM, **Kastratovic DA**, Vucovic DS, Milakovic BD, Milicic BR. Analiza operativnih troskova u anesteziji – Activity Based Costing (ABC analiza). Srpski arhiv za celokupno lekarstvo, 2011;139(7-8):501-508.
6. Nesic VS, Petrovic ZM, Sipetic SB, Jesic SD, Soldatovic I, **Kastratovic DA**. A Comparison of the Adult Comorbidity Evaluation-27 and the Charlson Comorbidity Indexes in patients with laryngeal squamous cell carcinoma. J Laryngol Otol, 2012;126(5):516-524.
7. Timotijević I, Stanković Ž, Todorović M, Marković SZ, **Kastratović DA**. Serotonergic organization of the central nervous system. Psychiatr Danub, 2012;Oct;24,Suppl.3:S326-30.

C) The list of articles published in the journals verified by specific decisions

(M 24)

8. **Kastratovic DA**, Djukic VB, Majstorovic BM, Komrska JJ, Gajic MM, Markovic SZ. Antibiotic consumption monitoring at the Institute of Otorhinolaryngology and Maxillofacial

surgery Clinical Centre of Serbia in 2001-2003. Vojnosanitetski pregled, 2005;62(7-8):551-555.

D) Proceedings of the international scientific meetings – communications published in extenso (M 33)

9. Vucovic DA, Djukic VB, **Kastratovic DA**, Radosic N. Monitoring of anesthesia depth using bispectral technology (BIS). X Kongres anesteziologa i intenzivista Srbije sa međunarodnim učešćenjem. Beograd, Zbornik uvodnih predavanja, 2006:187-191.
10. **Kastratovic DA**, Djukic VB, Sefer DM. Centre for Clinical Pharmacology. I kongres kliničke farmakologije i farmakoterapije jugoistocne Evrope. Novi Sad, juli 2008, Knjiga Abstrakata - Short Communication, abstract br.4, str. 17.
11. Radosic NN, Milivojevic D, Tomic S, Terzic M, **Kastratovic DA**. Evaluation of awareness during anesthesia in ear, nose and throat and maxillofacial surgery. XI Serbian Congress and Balkan Symposium of Anesthesiologists and Intensivists. Belgrade 7th-8th Oct. 2010. Congress book: Paper N°3, page 23.

E) Proceedings of the international scientific meetings – communications published as proofs (M 34)

12. Kastratovic B, **Kastratovic D**, Filipovic B. The parents – child relationship in an alcoholic marriage. International Congress on family therapy. Book of abstracts, Prague, 1987:111.
13. Stosic S, Divjak I, Radosic N, **Kastratovic D**, Jovanovic N, Kreacic M, Popovic-Rajan R, Djukic A, Stojic Z. Clinical analysis of the patients with malignant tumours of nasopharynx treated in the region of Belgrade for the period 1981-2000. 11th Danube Symposium 2006. International Otorhinolaryngological Congress. Abstract Book, page 101.
14. **Kastratovic DA**, Vasiljevic ZM, Spasic MM. Carvedilol – the antioxidative effect in AMI patients. I kongres kliničke farmakologije i farmakoterapije jugoistocne Evrope. Novi Sad, juli 2008, knjiga abstrakata, abstr. br. 13, str. 32.
15. Milic MM, Matic A, Nesic M, **Kastratovic DA**. Klinička farmakologija - put ka racionalnoj terapiji. I kongres kliničke farmakologije i farmakoterapije jugoistocne Evrope. Novi Sad, juli 2008, knjiga abstrakata, abstr. br. 9, str. 43.
16. Majstorovic BM, **Kastratovic DA**, Vucovic D, Milakovic B, Gojkovic-Bukarica Lj, Pekmezovic T. Pharmaco-economic estimation of costs in anesthesiology. I kongres kliničke farmakologije i farmakoterapije jugoistocne Evrope. Novi Sad, juli 2008. Pharmaca Yugoslavica, knjiga abstrakata, 2008;43(1-2):6, str.12-13.
17. Majstorović BM, Vučović D, Milaković BD, **Kastratović DA**. Aspekt finansijskog menadžmenta u anesteziologiji - potreba za unapređenjem. Druga regionalna konferencija o menadžmentu u zdravstvu. Beograd, 20-22. novembar 2008, knjiga apstrakata, str.3.
18. **Kastratovic DA**, Stošić-Divjak SL, Marković SZ, Mijajlović M, Majstorović BM. Personalni menadžment - najjača karika. Druga regionalna konferencija o menadžmentu u zdravstvu. Beograd, 20-22. novembar 2008, knjiga apstrakata, str.2.
19. Majstorović BM, Vučović D, Milaković BD, **Kastratovic DA**. The doctors's aspect of financial management in anesthesiology. EHMA annual conference Innsbruck/Austria. Success in a changing market: innovation, funding, communication. 24-26 june 2009. Abstract Book, N°112; Poster presentation.

20. Majstorović BM, **Kastratović DA**, Milaković BD, Vučović DS, Marković SZ, Mijajlović MS, Stanimirović BB. Pharmacoeconomics in anesthesia-drugs. *Farmaca Serbica*, 2010;2(1-2):32.
21. **Kastratovic DA**, Mikov MM, Stanimirovic VV, Sabo AJ, Jankovic SM, Japundzic-Zigon N, Milovanovic DR, Lilic R, Vukovic MH, Jugovic VM. The New Association in Clinical Pharmacology: Section for Clinical Pharmacology Serbian Medical Association. International Congress of Clinical Pharmacology. Copenhagen, june 2010. Abstract Book, N° 3213,
22. Brinkmann O, **Kastratovic DA**, Akin D, Spielmann N, Zhou H, Wong DDT. Oral Cancer Detection by Salivary Biomarkers in a Serbian Population. 89th General Session & Exhibition of the IADR; 40th Annual Meeting of the AADR; 35th Annual Meeting of the CADR. San Diego, California, March 16-19, 2011. Oral Session, Abstract Book, N°35.

F) Articles published in distinguished monograph of the national interest

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23. Stanimirovic V, **Kastratovic D**, Laban O, Andjelkovic D, Jovicic S. Obezbeđivanje kvaliteta istraživačkog proizvoda. Monografija: Uloga i značaj Agencije za lekove i medicinska sredstva Srbije - ALIMS u farmakoterapiji, 2008:57-71.

G) The list of articles published in leading national journals

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24. Vojvodic N, Petrovic D, **Kastratovic D**, Djuricic Lj, Milicevic-Kalasic A. Comparative investigation of mental disorders prevalence in the aged. *Psychiatria Danubina - An International Multidisciplinary Journal*, 1991;3(1-2):187-204.
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30. **Kastratovic DA**, Djukic VB, Stosic-Divjak S, Jesic SD, Dimitrijevic DV. Head-neck cancer therapy – could it be improved? *Med Pregl*, 2008;61(Suppl.2):47-50.
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34. Radošić NN, **Kastratović DA**, Tomić SD, Terzić MK, Marković SZ, Milaković BD. Awareness detection in anaesthesia during otorhino-maxillofacial surgery using bispectral index-monitoring technology. Med Pregl, 2012;65(3-4):111-4.
35. **Kastratović DA**, Radošić NN, Milaković BD, Tomić SD, Nesić VS, Marković SZ. Anesthetic dose correction in hospital pharmacology using bispectral index monitoring technology. Med Pregl, 2012;65(5-6):228-32.
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H) The list of articles published in scientific journals

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37. Majstorovic B, Vucovic D, Milakovic B, **Kastratovic D**, Gajic M. Anestezioloski rad, direktni, indirektni i ukupni troškovi anestezije i anestezioloskih usluga 2006. godine u Institutu za neurohirurgiju Klinickog Centra Srbije. Anestezija i intenzivna terapija, 2007;30(2):71-79.

I) Lectures by invitation at the national meeting

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38. II Week Hospital Clinical Pharmacology. Introductory lectures: Oral squamous cell carcinoma detection by salivary biomarkers in a Serbian population. Serbian Medical Society – Academy of Medical Sciences & Section for Clinical Pharmacology, 19-20 november 2010.
39. General Medicine Days. Saliva as diagnostic procedure – state of the art. Serbian Medical Society, 17th March 2011.
40. Saliva Oral Cancer Biomarkers - Validation in Serbian population and clinical perspectives. Organized by Academy of Medical Sciences, in February 2013.

J) Proceedings of the national meetings – communications published in extenso

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41. **Kastratovic D**, Kastratovic B, Jovanovic T. AIDS – ziveti kao sav normalan svet? V jugoslovenski simpozijum o medicinskoj etici i kvalitetu zivota. Zbornik radova „Pravo i obaveza na zdravlje“. Zagreb, 1985: 117-119.
42. Kastratovic B, Filipovic B, **Kastratovic D**. Pomoc ne bi smela da poznaje starosnu granicu. VI jugoslovenski simpozijum o medicinskoj etici i kvalitetu zivota. Zbornik radova „Pravo i obaveza na zdravlje II“. Zagreb, 1986: 45-46.
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44. **Kastratovic D**, Lanovic M. Mentalno zdravlje deteta – najveće pravo i obaveza. Prava i obaveze prema deci. Jugoslovenski centar za medicinsku etiku i kvalitetu života. Zagreb, 1988: 19.01.

K) Proceedings of the national meetings – communications published as proofs

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45. **Kastratovic D**, Kastratovic B. Promene bracko-porodicnih odnosa u toku porodicne terapije alkoholizma. Zbornik radova. XXVI kongres studenata medicine i stomatologije Jugoslavije. Crkvenica, 1984: 52.
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47. Kastratovic B, **Kastratovic D**. Karakteristike alkoholicarskog braka. Zbornik radova. XXVII kongres studenata medicine i stomatologije Jugoslavije. Novi Sad, 1985: 97.
48. **Kastratovic D**, Kastratovic B, Jovanovic T. Ispitivanje prisustva antitela na virus Rubellae kod trudnica Elisa testom. Zbornik radova. V kongres mikrobiologa Jugoslavije. Porec, 1985: 96-97.
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51. **Kastratovic D**, Kastratovic B. Neki elektrofizioloski parametri spavanja kod reaktivne depresije. Zbornik radova. II smotra naucno-istrazivackih radova studenata Univerziteta u Beogradu. Beograd, 1986: 54.
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53. **Kastratovic D**, Vojvodic N, Strikovic J, Dinic V. Tendencije kretanja kardiovaskularnih bolesti i dostignuca u zdravstvenoj zastiti u populaciji Beograda 1980-1990. Zbornik radova. I Kongres kardiologa Srbije, 1992: 20.
54. **Kastratovic D**, Strikovic J, Vojvodic N, Milic S, Ciric M. Zastupljenost cerebrovaskularnih bolesti u populaciji Beograda 1980-1990. Knjiga sazetaka. III kongres neurologa Jugoslavije; I kongres jugoslovenskog drustva za neuronauke. Beograd, 12-14. maj 1993: 93.
55. **Kastratovic D**, Strikovic J, Petric M, Ciric M. Licnost kao faktor uspeha u menadzmentu. Knjiga rezimea. 41 strucno-naucni skup psihologa Srbije: Psihologija i menadzment. Zlatibor, 06-10.10.1993: 17.
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57. Stosic SL, Djukic VB, **Kastratovic DA**, Jesic S. Head-Neck cancer drug therapy – could it be improved? Zbornik sazetaka. XVII kongres otorinolaringologa Srbije sa internacionalnim ucescem; I XLVI ORL nedelja. Novi Sad, 29 nov-1 okt. 2006, str. 71.
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60. **Kastratovic DA**, Wong DT, Konstantinovic V, Antic J, Jelovac D. Tumor markeri u detekciji oralnog karcinoma - „state of the art“. I Nedelja bolnicke klinicke farmakologije. Srpsko lekarsko drustvo, 27-28 novembar 2009. Pharmaca Serbica, 2010:2.
61. Wong DT, **Kastratovic DA**. Oral Squamos Cell Carcinoma - Detection By Salivatory Biomarkers. Abstract book. II Week Clinical Pharmacology. Serbian Medical Society, 19-20 novembar 2010, Plenary Section: 9.
62. Majstorovic BM, Radosic NN, Vucovic D, Nikolic LJ, Markovic SZ, Mijajlovic MS, **Kastratovic DA**. The use of anesthetics and drugs at the Institute of Anesthesia by surgical disciplined in the CCS. Abstract book. II Week Hospital Clinical Pharmacology. Serbian Medical Society, 19-20 november 2010: 28.
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65. **Kastratovic DA**, Nikolic LJ, Kastratovic-Kotlica BA, Dragicevic DP, Markovic SZ, Mijajlovic MS. The Selection of antibiotics and pregnancy – far away from routine clinical task. Abstract book. II Week Hospital Clinical Pharmacology. Serbian Medical Association, 19-20 november 2010: 61.
66. Mikov M, Goločorbin Kon S, Sabo A, Tomić Z, **Kastratović DA**, Jovović M. Clinical Pharmacology and Clinical Pharmacy: Way to Efficient Therapy. Abstract book. II Week Hospital Clinical Pharmacology. Serbian Medical Society, 19-21 november 2010: 54.
67. **Kastratovic DA**, Radosic NN. Anesthetic dose correction is possible by using BIS Monitoring. Abstract Book [CD-ROM]. III Nedelja Bolnicke klinicke farmakologije. Beograd, 17-19 novembar 2011. Belgrade, Serbian Medical Society; 2011.
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 73. **Kastratovic DA**, Spina E. World's Clinical Pharmacologists team work. Abstract Book [CD-ROM]. IV Week of the Hospital Clinical Pharmacology. Belgrade, Nov 30th-Dec 1st 2012. Belgrade, Serbian Medical Society; 2012.
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L) Other scientific papers

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89. Kastratovic D, Jovovic M, Ribar M. Galen magistral preparations-hospital use – our experience. *Pharmaca Serbia*, 2009;1(3-4):27-28.
90. Milić MM, Matić AM, Nešić MS, Kastratović DA. Pracenje potrosnje antibiotika u Opstoj bolnici Pozarevac (Monitoring of drug utilization in General Hospital Pozarevac). *Pharmaca Serbica*, 2010;2(4):18.
91. Ljubic A, Nikolic LjI, Stefanovic SB, Popovic Z, Bojanic NN, Anojcic P, Markovic SZ, Mijajlovic MS, Kastratovic DA. The significance of E. Coli treatment in perinatal period. *Pharmaca Serbica*, 2011;3(3-4): 17-19.

M) Doctoral thesis

(M 71)

“The effect of beta adrenergic receptor blockers on antioxidative mechanisms of erythrocytes during reperfusion therapy of myocardial infarction”, defended at the Faculty of Medicine, University of Belgrade, in 2007.

N) Master’s thesis

“Psychiatric and sociomedical characteristics of benzodiazepine use”, defended at the Faculty of Medicine, University of Belgrade, in 1994.

The analysis of works:

The text below presents the most important scientific achievements of 28-year research work of Dr. Dragana A. Kastratovic.

At the beginning of her career, Dr. Dragana A. Kastratovic was engaged in family therapy of alcoholism, which at that time was completely new, psycho-therapeutical method of treatment. In addition, she investigated other psychiatric diseases and showed that electroencephalographic changes during sleep were different in endogenous and reactive depression, and therefore, contributed to advancement of depression diagnosis. Moreover, she demonstrated that dexamethasone test in psychosis could make distinction between different psychoses and described characteristic changes in schizophrenic endogenous psychosis. In a clinical study in gerontological patients, characteristic changes of behavior associated with dementia and cerebrovascular diseases were described.

During preparation of her doctoral thesis, which included 50 patients who had experienced myocardial infarction, Dr. Dragana A. Kastratovic studied the effectiveness of carvedilol, nonselective beta and alpha adrenergic blocker versus metoprolol, selective beta adrenergic blocker. Their effect on the function of the antioxidant enzymes in patient’s erythrocytes within 72 hours and one week from the onset of myocardial infarction was analyzed. It was shown that carvedilol, and not metoprolol, had antioxidative action and could reconstitute the function of the enzymes superoxide dismutase, catalase, glutathione peroxidase and dismutase. This clinical study has suggested that carvedilol is a better choice of beta blockers in therapy of patients with the myocardial infarction because it protects myocardial cells against necrosis and apoptosis.

A significant contribution of Dr. Dragana A. Kastratovic has been reflected in her collaboration with the most eminent team from the Los Angeles University – UCLA, managed by Professor Dr. David Wong. All together, they have been doing research in biomarkers obtained from saliva for early diagnosis and evolution of the oral squamous cancer. For the first time, the saliva was used as a medium for diagnostic methods. This multinational and multicentric study established seven different micro ribonucleic acids and three proteins in saliva that may distinguish the population with squamous cancer from healthy individuals. The results obtained from these works improved the early diagnosis and treatment of one of the most malignant tumors of the oral cavity. They opened a new era in the early diagnostics of the oral cavity malignancy and enabled better prognosis of patients. This clinical study also included our population in relation to biomarker investigation, and its authenticity was also confirmed.

Citation:

Citation without auto citation: 56

Total Impact Factor: 12.902

***Quantitative Results of research work of Dr. Dragana A. Kastratovic
(numerically presented in accordance with the laws of Serbia)***

Mark of the group of results	Type of results (M)	Number of results	Value of results
M20	M21 (8)	3	24
	M23 (4)	3	12
	M24 (3)	1	3
M30	M33 (1)	3	3
	M34 (0.5)	11	5,5
M50	M51 (2)	12	24
	M53 (1)	1	1
M60	M63(0.5)	4	2
	M64 (0.2)	42	8,4
	M62 (1)	2	2
M70	M71 (6)	1	6
	M72 (3)	1	3
TOTAL		67	93.9

Qualitative evaluation – excellence rating of Prim. Dragana Maca A. Kastratovic scientific contribution

Awards and recognitions awarded for scientific/research work:

- In 1985, October Prize of Belgrade for “The young in science”;
- In 1985, ‘Commendation for excellent achievements during medical studies’ awarded by the Council of Faculty of Medicine at 65th anniversary ceremony of foundation and work of the Faculty of Medicine;
- In 1986, The Third Prize of the University of Belgrade for student’s research work;
- In 1986, ‘Commendation for excellent achievements during medical studies’ awarded by the Council of Faculty of Medicine at 66th anniversary ceremony of foundation and work of the Faculty of Medicine;
- In 1992, The Third Prize awarded to young researchers by the Serbian Medical Society on the occasion of the First Cardiology Congress, on the Kopaonik mountain, June 24-28, 1992;
- In 2009, the Plaque of the Serbian Medical Society for most perspective research work “Saliva Oral Cancer Test – Early Diagnostics and Therapy”, Workshop with the international participation, I Week of hospital clinical pharmacology;
- In 2010, the Plaque of the Section for Clinical Pharmacology Serbian Medical Society for most perspective research work: “Saliva Oral Cancer Test – Early Diagnostics and Therapy”,

presented in Workshop with the international participation – ‘II Week of hospital clinical pharmacology’;

As an inviting guest speaker Dr Maca delivered the lectures:

- *Oral squamous cell carcinoma detection by salivary biomarkers in Serbian population*, at the Workshop with the international participation – ‘II Week of hospital clinical pharmacology’, organized by the Academy of Medical Sciences and Section for Clinical Pharmacology of the Serbian Medical Society, in November 2010;
- *Anesthetic dose correction is possible by using BIS Monitoring*, at the Workshop with international participation ‘III Week of hospital clinical pharmacology’, organized by the Academy of Medical Sciences and Section for Clinical Pharmacology of the Serbian Medical Society, in November 2011;
- *Saliva in diagnostics – most recent results*, at the General Medicine Days Workshop, organized by General Medicine Section of the Serbian Medical Society, in March 2011;
- *Saliva Oral Cancer Biomarkers -Validation in Serbian population and clinical perspectives*, Organized by Academy of Medical Sciences, in February 2013.

As a lecturer:

- In continuous medical educational (CME) courses, organized by the Section for Clinical Pharmacology of the Serbian Medical Society, accredited by the Serbian Medical Chamber, as follows: Good clinical practice (CME leader), Antibiotic prophylaxis in surgery, Thrombolytic therapy of the acute myocardial infarction, Clinical implications of SSRI use in surgery, Reporting on drug side-effects – safety factor in modern pharmacotherapy;

Participation in professional - scientific association of Clinical Pharmacology

- One of the members of the Founding Board of the Section for Clinical Pharmacology of the Serbian Medical Society.
- Secretary to the Section for Clinical Pharmacology of the Serbian Medical Society
- Member of the European Society of Clinical Pharmacology (ESCP)
- Representative of the Section for Clinical Pharmacology of the Serbian Medical Society in the International Union of Basic and Clinical Pharmacology (IUPHAR)
- Delegate of the Assembly of the Regional Medical Chamber of Belgrade.

Work in professional scientific journals

- Member of the Editorial Board of the Serbian journals: *Pharmaca Serbica* and *General Medicine*
- Editor in Chief of the *Hospital Pharmacology – International Multidisciplinary Journal*, on line open access scientific journal Section for Clinical Pharmacology Serbian Medical Society, [/www.hophonline.org/](http://www.hophonline.org/).

Significant contribution to development of the applied science in Serbia

- Role in foundation of the Center for Clinical Pharmacology of the Clinical Center of Serbia (CCS), in Belgrade, as the first operational unit of clinical pharmacology within CCS.
- As a coordinator of the team of Serbian Medical Society in the academic infrastructure of the research projects - ECRIN, supported by Ministry of Sciences of Serbia and Ministry of Public Health of Serbia;

- As a team member: Vucovic D, Kastratovic DA, Radosic N, contribution to advancement of the applied science by introduction of BIS technology for monitoring of anesthesia depth in CCS in 2006;
- Dr Dragana Maca Kastratovic is a Head and Principal investigator for Serbia of the UCLA Multicenter Project “Saliva oral cancer biomarkers – diagnostics and therapy of oral cancer”
- Investigator in the CCS academic projects “BIS technology in anesthesia of head and neck surgery” and “Coagulation in patients with the head and neck cancers”
- Member of the Organization and Scientific boards of the Symposiums with the international participation, organized by the Serbian Medical Society - Section for Clinical Pharmacology and Academy of Medical Sciences: I Week of Hospital Clinical Pharmacology, November 2009, II Week of Hospital Clinical Pharmacology, November 2010, III Week of Hospital Clinical Pharmacology, November 2011, IV Week Hospital Clinical Pharmacology, November 2012; Congress V Week Hospital Clinical Pharmacology, November 2013.

Participation in domestic and foreign scientific media:

- Medici com, Reader’s Digest, Euroscience...
- Pharmacology International: Section for Clinical Pharmacology Serbian Medical Association, N° 75, 7 Nov. 2010, 22-28;
- Dragana Maca Kastratovic: Serbia Celebrates International Clinical Trials Day; Clinical Center of Serbia Joins ECRIN, in Center Watch News online, Tuesday, July 24, 2007 09:00 AM. <http://www.centerwatch.com/news-online/headline-details.aspx?HeadlineID=410>
- Dragana Maca Kastratovic, *Serbia Celebrates International Clinical Trials Day; Clinical Center of Serbia Joins ECRIN*, Clinical Trials Today (July 24, 2007) available at www.clinicaltrials.com.
- Dragana Maca A. Kastratovic: Guest Commentary: Serbia Celebrates International Day of Clinical Trials, in Center Watch News online, Tuesday, August 18, 2009 07:29 AM. <http://www.centerwatch.com/news-online/headline-details.aspx?HeadlineID=678>
- *Dragana A. Kastratović. Prva Nedelja bolničke kliničke farmakologije /The first week of hospital clinical pharmacology. Izvestaj sa kongresa/ Conference report. PONS, mart 2010, p. 33-34.*
- *Srpkinja u najboljem svetskom timu za borbu protiv raka usta (A Serbian Lady in the best world team for fight against oral cancer) 24 hours, Sept. 2, 2009. <http://znanje.infostud.com/vesti/Srpkinja-u-najboljem-svetskom-timu-zaborbu-protiv-raka-usta/56/12281/>.*

Educational activities:

No mentoring, because this is her first calling, but having leading paper authors position in M21 and M23 journal category.

She is a teacher in the ‘Continuous medical education’ organized by the Section for Clinical Pharmacology of the Serbian Medical Society, accredited as the first category course with the Serbian Medical Chamber, as follows: Good clinical practice, Antibiotic prophylaxis in surgery, Thrombolytic therapy of the acute myocardial infarction, Clinical implications of SSRI use in surgery, Reporting on drug side-effects – safety factor in modern pharmacotherapy;

Board's Conclusion and Recommendation

Based on submitted papers and results, it has been documented that Dr. Dragana A. Kastratovic has been interested in and focused on research work in the field of clinical pharmacology, both as a principal investigator and team member. She has been recognized in domestic and international research milieu as a distinguished researcher in the field of saliva diagnostics and oral cancer therapy, with a special affinity for multidisciplinary work and integrative approach to scientific issue. She is willing and ready to transfer her knowledge to junior colleagues.

Based on the quality of published articles and their citation, the Board concludes that Primarius Dragana A. Kastratovic, MD. PhD, a specialist in clinical pharmacology, has met all terms provided by Law on Scientific Research ("Official Gazette of RS", N°. 110/95 and 50/06-correction) and Rulebook on procedures of evaluation and quantitative presentation of research study results ("Official Gazette of RS", N°. 38/08), to be elected a *Research Proffesor*, as it is in procedure.