



Dr med. Nemanja Rančić
doktor medicinskih nauka, naučni saradnik

Opšti podaci:

Rođen: 28.06.1984. godine

OBRAZOVANJE

1. Odbranio doktorsku disertaciju pod nazivom "Procena odnosa koncentracija/doza takrolimusa kao parametra za terapijski monitoring u pacijenata podvrgnutih transplantaciji bubrega" na Fakultetu medicinskih nauka Univerziteta u Kragujevcu, 13. novembra 2015. god.
2. Završen obavezni lekarski staž u Zavodu za zdravstvenu zaštitu studenata u Beogradu 2010. god.
3. Diplomirao na Medicinskom fakultetu Univerziteta u Beogradu 2010. god.

KRETANJE U SLUŽBI

1. od 2019. god.- rukovodilac projekta u Centru za kliničku farmakologiju Vojnomedicinske akademije u Beogradu
2. od 2012. god.- saradnik u nastavi na Medicinskom fakultetu Vojnomedicinske akademije Univerziteta odbrane u Beogradu
3. od 2011. god.- istraživač saradnik na Fakultetu medicinskih nauka Univerziteta u Kragujevcu
4. 2010.-2011. god.- volonterski rad u Institutu za sudsku medicinu Medicinskog fakulteta Univerziteta u Beogradu
5. 2010. god.- obavezan lekarski staž u Zavodu za zdravstvenu zaštitu studenata u Beogradu

STIPENDIJE I NAGRADE

1. Šestogodišnja Republička stipendija u toku studiranja na Medicinskom fakultetu Univerziteta u Beogradu od strane Ministarstva prosvete i nauke Republike Srbije
2. Stipendija Ministarstva za prosvetu, nauku i tehnološki razvoj na prvoj godini doktorskih akademskih studija na Medicinskom fakultetu Univerziteta u Kragujevcu školske 2010/11. god.
3. Stipendija od strane udruženja XeMeT (Xenobiotic Metabolism and Toxicity) za Osmi kongres jugoistočne Evrope metabolizma ksenobiotika i toksina, Solun, Grčka, oktobar 2010. god.
4. Nagrada za najbolji originalni rad na 6. kongresu Anglo-srpskih dana u anesteziji, Beograd, Srbija, 2016. god.
5. Nagrada za najbolji poster rad na 13th BISOP Belgrade international symposium on pain, Beograd, Srbija, 18-19. maj 2018.

6. Nagrada za najbolji poster rad na 5. Kongresu nefrologa Srbije, Beograd, Srbija, 31. oktobar-03. novembar 2019.

USAVRŠAVANJA

1. *University of Debrecen, Faculty of public health, Department of Preventive Medicine, Debrecen, Hungary: Međunarodni projekat TÉT_16-1-2016-0142 pod nazivom „Starenje populacije i izdvajanja za zdravstvenu zaštitu u Mađarskoj i Srbiji uporedne analize“; 24-31. mart 2019.*

PREDMETI EDUKACIJE

1. Sertifikat završenog kursa „*ICH E6 GCP Training for Investigators and Site Personnel, Version 1.0 Februar 2015*“, CRA Academy Belgrade, 25.12.2015. godine u Beogradu
2. Potvrda o obučenosti o Dobrobiti oglednih životinja, 12.10.2012. god., Vojnomedicinska akademija, Beograd
3. Završen *on-line* kurs „*The global health network: Enabling research by sharing knowledge*“ iz dobre kliničke prakse 14-15.11.2014. godine
4. Završen *on-line* kurs „*Introduction to Good clinical laboratory practice*“ iz dobre kliničke i laboratorijske prakse 03.06.2015. godine
5. Sertifikat završenog kursa Dobra klinička praksa u kliničkim ispitivanjima, Srpsko lekarsko društvo Sekcija za kliničku farmakologiju, februara 2014. god. u Beogradu
6. Sertifikat završenog kursa Metodologija istraživanja u medicini i farmaciji na Fakultetu medicinskih nauka Univerziteta u Kragujevcu 2010. god.
7. Sertifikat završenog kursa Prve pomoći 2008. god. na Medicinskom fakultetu Univerziteta u Beogradu

PROJEKTI

Saradnik na 9 projekata od nacionalnog i međunarodnog značaja od kojih se mogu izdvojiti:

- budžetski projekat broj 175014 pod naslovom „Analiza strukture troškova i uticaja na zdravstveni budžet epidemiološki najmasovnijih i / ili najskupljih oboljenja i procena odnosa troškovi / efikasnost / korisnost medicinskih intervencija“
- međunarodni *EFIC* projekat pod naslovom „*Pain Out*“
- *COST project No CA15222 „European Network for cost containment and improved quality of health care“*

ČLANSTVA

1. od 2016. god.- Član uređivačkog odbora (pomoćnik urednika) časopisa *Frontiers in public health- Health Economics*
2. od 2016. god.- Član uređivačkog odbora časopisa *Serbian Journal of Anesthesia and Intensive Therapy*
3. od 2014. god.- Član Udruženja nefrologa Srbije
4. od 2014. god.- Član Sekcije za kliničku farmakologiju Srpskog lekarskog društva
5. od 2010. god.- Član Srpskog lekarskog društva

STRUČNI RADOVI I KNJIGE

- 96 publikovanih radova u celosti u domaćim i međunarodnim časopisima, od toga 49 na *SCI* listi; kumulativni faktor uticaja >60

- 103 izvoda sa kongresa od međunarodnog i nacionalnog značaja
- 10 poglavlja u knjizi i jedan prevod knjige
- 2 knjige
- oblast: farmakologija, klinička farmakologija, biostatistika, farmakoekonomija, transplantacija, imunosupresivna terapija, radiologija

IZDVOJENI STRUČNI RADOVI I KNJIGE

1. Radojevic N, Bjelogrić B, Aleksic V, **Rancic N**, Samardzic M, Petkovic S, Savic S. Forensic aspects of water intoxication; four case reports and review of relevant literature. *Forensic Sci Int* 2012; 220(1-3): 1-5.
2. Jakovljevic M, Jovanovic M, **Rancic N**, Vyssoki B, Djordjevic N. LAT Software Induced Savings on Medical Costs of Alcohol Addicts' Care - Results from a Matched-Pairs Case-Control Study. *PLoS One* 2014; 9(11): e111931.
3. Jovičić M, Hinić D, Drašković M, Obradović A, Nikić-Đuričić K, **Rančić N**, Perković-Vukčević N, Ristić-Ignjatović D. Psychometric properties of the rasc scale in the Serbian population. *J Affect Disord* 2016; 189: 134-140.
4. **Rancic N**, Erceg M, Radojevic N, Savic S. Medicolegal Characteristics of Firearm Homicides in Belgrade, Serbia: Before, During, and After the War in the Former Yugoslavia. *J Forensic Sci* 2013; 58(6): 1549-1553.
5. Dobričić V, Marković B, Milenković N, Savić V, Jačević V, **Rančić N**, Vladimirov S, Cudina O. Design, Synthesis, and Local Anti-Inflammatory Activity of 17 β -Carboxamide Derivatives of Glucocorticoids. *Arch Pharm (Weinheim)*. 2014; 347(11): 786-797.
6. Zečević Luković T, Ristić B, Jovanović Z, **Rančić N**, Ignjatović Ristić D, Ćuković S. Complex regional pain syndrome type I in the upper extremity - how much physical therapy and rehabilitation is efficient. *Med Glas (Zenica)* 2012; 9(2): 334-340.
7. **Rančić N**, Ignjatović Ristić D, Radovanović S, Kocić S, Radević S. Sociodemographic and clinical characteristics of hospitalized patients after suicide attempt: a twenty-year retrospective study. *Med Glas (Zenica)* 2012; 9(2): 350-355.
8. Djurović G, **Rančić N**, Savić S. Drunken state in fatally injured drivers of motor vehicles. *Srp Arh Celok Lek* 2013; 141(5-6): 359-365. (In Serbian)
9. Ranković A, **Rančić N**, Jovanović M, Ivanović M, Gajović O, Lazić Z, Jakovljević M. Impact of imaging diagnostics on the budget – Are we spending too much ? *Vojnosanit pregl* 2013; 70(7): 709-711.
10. Ristic B, **Rancic N**, Maksimovic M, Ignjatovic-Ristic D. The influence of alcohol intoxication on the severity of injuries suffered by drivers in road traffic accidents. *Eur J Trauma Emerg Surg* 2013; 39(4): 363-368.
11. Jakovljevic MB, Djordjevic V, Markovic V, Milovanovic O, **Rancic NK**, Cupara SM. Cross-sectional survey on complementary and alternative medicine awareness among health care professionals and students using CHBQ questionnaire in a Balkan country. *Chin J Integr Med* 2013; 19(9): 650-655.
12. Ristić-Ignjatović D, Hinić D, Jakovljević M, Fountoulakis K, Siepera M, **Rančić N**. A ten-year study of depressive symptoms in Serbian medical students. *Acta Clin Croat* 2013; 52(2): 157-163.
13. Ignjatovic-Ristic D, **Rancic N**, Novokmet S, Jankovic S, Stefanovic S. Risk factors for lethal outcome in patients with delirium tremens - psychiatrist's perspective: a nested case-control study. *Ann Gen Psychiatry* 2013; 12(1): 39. doi:10.1186/1744-859X-12-39.
14. Ignjatović Ristić D, Vasiljević S, **Rančić N**, Ristić B. Difficulties in Proving Medical Errors- Where do we stand? *Vojnosanit Pregl* 2014; 71(4): 390-394.
15. **Rancic N**, Erceg M, Jakovljevic M, Savic S. Craniocerebral injuries in traffic accidents with fatal outcomes. *Aust J Forensic Sci* 2014; 46(2): 180-193.
16. Vavic N, **Rancic N**, Dragojevic-Simic V, Draskovic-Pavlovic B, Bokonjic D, Ignjatovic Lj, Mikov M. The Influence of Comedication on Tacrolimus Blood Concentration in Patients Subjected to Kidney Transplantation: Retrospective Study. *Eur J Drug Metab Pharmacokinet* 2014; 39(4): 243-253.
17. Jakovljevic M, Gutzwiller F, Schwenkglenks M, Milovanovic O, **Rancic N**, Varjacic M, Stojadinovic D, Dagovic A, Matter-Walstra K. Costs differentials among monoclonal antibodies-based first-line oncology cancer protocols for breast cancer, colorectal carcinoma and non-Hodgkin's lymphoma. *JBUON* 2014; 19(3): 1111-1120.

18. **Rancic N**, Rankovic A, Savic D, Abramovic A, Rancic J, Jakovljevic M. Intentional self-poisonings and unintentional poisonings of adolescents with nonfatal outcomes. *J Child Adolesc Subst Abuse* 2015; 24(1): 12-18.
19. Cupurdija V, Lazic Z, Petrovic M, Mojsilovic S, Cekerevac I, **Rancic N**, Jakovljevic M. Community-acquired pneumonia: economics of inpatient medical care vis-a-vis clinical severity. *J Bras Pneumol* 2015; 41(1): 48-57.
20. Kovacevic A, Dragojevic-Simic V, **Rancic N**, Jurisevic M, Gutzwiller F, Matter-Walstra K, Jakovljevic M. End-of-life costs of medical care for advanced stage cancer patients. *Vojnosanit pregl* 2015; 72(4): 334-341.
21. **Rancic N**, Dragojevic-Simic V, Vavic N, Kovacevic A, Segrt Z, Draskovic-Pavlovic B, Mikov M. Tacrolimus concentration/dose ratio as a therapeutic drug monitoring strategy: the influence of gender and comedication. *Vojnosanit pregl* 2015; 72(9): 813-822.
22. Kovacevic A, Dragojevic-Simic V, Tarabar D, **Rancic N**, Jacimovic N, Katic J, Dagovic A, Jakovljevic M. Five-year survival and costs of care in metastatic colorectal cancer: conventional vs. monoclonal antibody - based treatment protocols. *Expert Rev Anticancer Ther* 2015;15(8): 963-970.
23. Kovačević V, Milosavljević M, **Rančić N**, Daković D. Assessment of the periodontal health and community periodontal index in the Army of Serbia. *Vojnosanit pregl* 2015; 72(11): 953-960.
24. Prođovic T, Ristic B, **Rancic N**, Bukumiric Z, Stepanovic Z, Ignjatovic-Ristic D. Factors influencing the six-month mortality rate in patients with a hip fracture. *Zdrav Var* 2016; 55(2): 102-107.
25. Vavić N, **Rančić N**, Cikota-Aleksić B, Magić Z, Cimeša J, Obrenčević K, Radojević M, Mikov M, Dragojević-Simić V. The distribution of genetic polymorphism of CYP3A5, CYP3A4 and ABCB1 in patients subjected to renal transplantation. *Vojnosanit pregl* 2016; 73(7): 663-667.
26. Kovačević A, **Rancic N**, Segrt Z, Dragojevic-Simic V. Pharmaceutical expenditure and burden of non-communicable diseases in Serbia. *Front Pharmacol* 2016; 7: 373. doi:10.3389/fphar.2016.00373.
27. **Rancic N**, Djurovic G, Pilipovic F, Savic S. Medicolegal characteristics of defense injures in cases of homicides. *Vojnosanit pregl* 2017; 74(4): 335-340.
28. Aćimović S, Lončarević O, Vuković J, Stojisavljević M, **Rančić N**. Specific bronchial hyperreactivity and hypersensitivity in patients with allergic asthma. *Vojnosanit pregl* 2017; 74(11): 1043-1047.
29. **Rančić N**, Vavić N, Cikota-Aleksić B, Magić Z, Mikov M, Bokonjić D, Šegrt Z, Dragojević-Simić V. The relationship between tacrolimus concentration-dose ratio and genetic polymorphism in patients subjected to renal transplantation. *Vojnosanit pregl*. 2018; 75(2): 147-153.
30. Stamenkovic DM, **Rancic NK**, Latas MB, Neskovic V, Rondovic GM, Wu JD, Cattano D. Preoperative anxiety and implications on postoperative recovery: what can we do to change our history. *Minerva Anesthesiol*. 2018; 84(11): 1307-1317.
31. **Rančić N**, Lozanov-Crvenković Z, Mikov M, Vavić N, Dragojević-Simić V. An equation for tacrolimus daily dose calculation in renal transplant patients - simple and cost saving? *Vojnosanit pregl*. 2018; 75(8): 739-740.
32. Dragojević-Simić V, Kovačević A, Jačević V, **Rančić N**, Djordjević S, Kilibarda V, Mikov M, Bokonjić D. Bioequivalence study of two formulations of itraconazole 100 mg capsules in healthy volunteers under fed conditions: a randomized, three-period, reference-replicated, crossover study. *Expert Opin Drug Metab Toxicol*. 2018; 14(9): 979-988.
33. Lončarević O, Aćimović S, Vuković J, Stojisavljević M, Marić N, Lončarević S, Petrović M, Milivojević I, Ignjić G, Milić G, Mirilo L, **Rančić N**. Overall survival of patients with non-small cell lung cancer after surgery treatment. *Vojnosanit Pregl*. 2018;75(12):1157-1164.
34. Miljkovic M, Dragojevic-Simic V, **Rancic N**, Simic R, Pekez-Pavlisko T, Kovacevic A, Stamenkovic D. Metamizole utilization and expenditure during 6-year period: Serbia vs. Croatia. *Front. Public Health* 2018; 6: 213. doi: 10.3389/fpubh.2018.00213.
35. Jakovljevic M, Camilleri C, **Rancic N**, Grima S, Jurisevic M, Grech K, Buttigieg SC. Cold War Legacy in Public and Private Health Spending in Europe. *Front. Public Health* 2018; 6: 215. doi: 10.3389/fpubh.2018.00215.
36. Obrenčević K, Petrović D, Aleksić P, Petrović M, **Rančić N**, Jovanović D, Nikolić B, Mijušković M, Vavić N, Ignjatović Lj, Maksić Dj. Successful treatment of idiopathic retroperitoneal fibrosis with combined immunosuppressive therapy. *Vojnosanit pregl* 2019; 76(10): 1014-1021.
37. Paunić Z, Dekleva-Manojlović M, Marković-Nikolić N, **Rančić N**, Dimković N. Impact of active fluid management on cardiac hemodynamic and mechanics in patients on maintenance hemodialysis. *Vojnosanit pregl* 2018 OnLine-First April 2018; doi: <https://doi.org/10.2298/VSP170325058P>.

38. Petrović M, Dragović T, Petrović S, Obrenčević K, **Rančić N**, Đurašinović T, Petrović D, Ignjatović Lj, Rabrenović V, Nenezić N, Marinković D, Maksić Đ. Effect of vitamin D on proteinuria, lipid status, glycoregulation and C-reactive protein in patients with type-2 diabetes mellitus. *Vojnosanit pregl* 2018 OnLine-First June 2018; doi: <https://doi.org/10.2298/VSP180525113P>.
39. Šegrt Z, Vučinić S, **Rančić N**, Vukčević-Perković N, Vuković-Ercegović G, Potrebić O, Kovačević A, Mijatović V, Jačević V. Principal characteristics of patients acutely poisoned by ethanol in the region of Belgrade (Serbia). *Vojnosanit pregl* 2018 OnLine-First June 2018; doi: <https://doi.org/10.2298/VSP180507112S>.
40. Nedeljkovic-Arsenovic O, Banovic M, Radenkovic D, **Rancic N**, Polovina S, Micic D, Nedeljkovic I. The amount of weight loss six months after bariatric surgery: it makes a difference. *Obesity Facts* 2019; 12(3): 281-290.
41. Vekic B, Dragojevic-Simic V, Jakovljevic M, Pilipovic F, Simic R, Zivic R, Radovanovic D, **Rancic N**. Medical cost of colorectal cancer services in Serbia between 2014 and 2017: National data report. *Front. Pharmacol.* 2019;10:256. doi: 10.3389/fphar.2019.00526.
42. Pilčević D, **Rančić N**, Jović Z, Rabrenović V, Antić S, Petrović M, Petrović D, Maksić Đ. Diagnostic importance of cystatin c and creatinine for contrast-induced acute kidney injury. *Vojnosanit Pregl.* 2021;78(03): 2019 OnLine-First (00):75-75. doi: 10.2298/VSP190418075P.
43. Rabrenović V, Nikolić B, Rabrenović M, Petrović M, Milojević A, Škuletić V, Živojinović D, Dulović D, Stojisavljević M, Miroslavljević S, Ristić S, Pantović M, Petrović M, Obrenčević K, Pilčević D, **Rančić N**. Acute kidney failure and extramedullary lung infiltration as initial presentation of multiple myeloma - case report. *Vojnosanit pregl.* 2019; OnLine-First (00):56-56. Doi: 10.2298/VSP190119056R.
44. Sekulic I, Dzudovic B, Matijasevic J, Batranovic U, Rusovic S, Mihajlovic M, Miladinovic U, **Rancic N**, Subotic B, Novicic N, Gavrilovic S, Boskovic-Sekulic J, Obradovic S. Ultrasound assisted thrombolysis in intermediate-risk patients with pulmonary thromboembolism. *Acta Cardiologica* 2019, DOI: 10.1080/00015385.2019.1646850.
45. Lončarević S, Brajković D, Gardašević M, Lončarević O, Lađević N, Nešić D, Stamenkovic D, Likić-Lađević I, Lađević N, **Rančić N**. Expression of PCNA, CD-31, and HER-2 in Serbian patients with oral squamous cell carcinoma. *Archives of Biological Sciences* 2019; OnLine-First (00):53-53. doi: 10.2298/ABS190705053L.
46. Jakovljevic M, Fernandes PO, Teixeira JP, **Rancic N**, Timofeyev Y, Reshetnikov V. Underlying Differences in Health Spending Within the World Health Organisation Europe Region-Comparing EU15, EU Post-2004, CIS, EU Candidate, and CARINFONET Countries. *Int J Environ Res Public Health.* 2019;16(17). pii: E3043. doi: 10.3390/ijerph16173043.
47. Petrovic S, Vasiljevska M, Obradovic S, Tarabar D, Doder R, Majstorovic I, Petrovic M, Magic Z, Cikota B, Perisic N, Brcerevic I, **Rancic N**, Manojlovic N. Antiplatelet Agents'—Ticagrelor and Eptifibatide—Safety in Experimental Colitis in Mice. *Turkish Journal of Gastroenterology* 2019; In press.
48. Luketina-Sunjka M, **Rancic N**, Mihailovic N, Jakovljevic M. The Impact of the Socio-Demographic Characteristics of Complementary and Alternative Medicine Users in Serbia on OTC Drug Consumption. *Front Public Health.* 2019;7:303. doi: 10.3389/fpubh.2019.00303.
49. Sekulić I, Jovanovski A, Kostić D, Stošić S, Bošković-Sekulić J, Stevanović J, **Rančić N**. Therapeutic role of selective preoperative embolization in patients with paragangliomas of head and neck. *Vojnosanit Pregl* 2019; Online First October, 2019.
50. **Rancic N**, Bokonjic D. Statistical methods in the pharmacokinetics. In: Mikov M. editor. *Basic pharmacokinetics and biopharmacy*. Novi Sad: Ortomedics, 2014: 55-58. (In Serbian).
51. **Rancic N**. The economic burden of healthcare system by traumatism and poisonings. In: Jakovljevic M. editor. *Health economy with pharmacoeconomy for students of medical sciences, first edition 2014*. Kragujevac: Faculty of Medical sciences of University in Kragujevac, 2014. 126-134. (In Serbian).
52. **Rancic N**. Studies costs comparison. In: Jakovljevic M. editor. *Health economy with pharmacoeconomy for students of medical sciences, first edition 2014*. Kragujevac: Faculty of Medical sciences of University in Kragujevac, 2014. 416-419. (In Serbian).
53. **Rancic N**, Kovacevic A, Dragojevic-Simic V. Long term health expenditure changes in selected Balkan countries. In: *Health Care Financing and Affordability in the Emerging Global Markets*. Jakovljevic M, Souliotis K, Groot W, editors. Lausanne, Switzerland: Frontiers Media 2016; *Frontiers in Public Health*; 2016; 48-51. ISSN 1664-8714; ISBN 978-2-88919-837-5; DOI 10.3389/978-2-88919-837-5.
54. Jakovljevic M, Burazeri G, Milovanovic O, **Rancic N**, Laaser U. BRICS VS. N-11: Population Aging and Health Expenditures in Global Emerging Markets - Historical Records and UN Forecasts 1975 – 2025. In:

- Health Economics and Policy Challenges in Global Emerging Markets. Jakovljevic M, editor. New York: Nova Science Publishers, Inc.; 2016: 1-18. ISBN 978-1-63484-720-9 (eBook).
55. Dragojević-Simić V, **Rančić N**, Karadaglić Đ. Immunomodulators for local application. In: Dermatology. Karadaglić Đ, editor. Belgrade: Birograf Comp; 2016: 2460-2468. (In Serbian).
 56. Dragojević-Simić V, **Rančić N**, Karadaglić Đ. Biological agents. In: Dermatology. Karadaglić Đ, editor. Belgrade: Birograf Comp; 2016: 2560-2574. (In Serbian).
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 58. Jakovljevic M, Camilleri C, **Rancic N**, Grima S, Jurisevic M, Grech K, Buttigieg SC. Cold War Legacy in Public and Private Health Spending in Europe. In: Challenges of Pharmacoeconomics in Global Health Arena. Jakovljevic M, Verhaeghe N, Souliotis K, editors. Lausanne: Frontiers Media; 2019; Front. Public Health 2018; 20-30. ISSN 1664-8714; ISBN 978-2-88945-759-5; DOI 10.3389/978-2-88945-759-5.
 59. Vavić N, **Rančić N**, Dragojević-Simić V. Pharmacological profile of drugs in the treatment of primary glomerulonephritis. In: Therapy of primary glomerulonephritis. Maksić Đ, editor. Belgrade: Maksić Đoko, Clinic of Nephrology, MMA Faculty of Medicine, University of Defense, Belgrade; 2019: 37-82. ISBN 978-86-901228-0-6. [COBISS.SR-ID 277639692] CIP 616.61-002(082).
 60. Dragojević-Simić V, Dobrić S, Bokonjić D, Kovačević A, **Rančić N**. Farmakološki priručnik sa recepturom. Beograd: Ministarstvo odbrane, Univerzitet odbrane, Medicinski fakultet VMA; 2015: ISBN 978-86-335-0487-4.
 61. Komić J, Bokonjić D, **Rančić N**. Selected methods of statistical analysis for biomedical research. Banja Luka: University of Banja Luka Faculty of Medicine; 2018.