

CURRICULUM VITAE

Prof. LIVIA PULJAK, MD, PhD

Affiliation

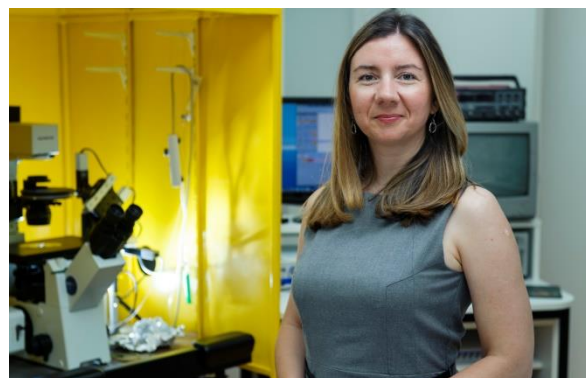
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Personal information

Birth date: October 25, 1977
Birth place: Split, Croatia
Family status: Married, one child



Education

2008 PhD, University of Split School of Medicine, Croatia
2002 MD, University of Zagreb, Medical Studies in Split, Croatia

Work experiences

2018 Full Professor, Catholic University of Croatia, Zagreb, Croatia
2011 – Deputy Director, Translational Research in Biomedicine – PhD Program, USSM
2016 – 2018 Senior Advisor, Agency for Quality and Accreditation in Health Care, Croatia
2013 – 2018 Associate Professor, University of Split School of Medicine, Croatia (USSM)
2013 – 2017 Head, Department of Histology and Embryology, USSM
2011 – 2013 Head, Laboratory for Pain Research, USSM
2010 – 2011 Vice Dean for Research, University of Split School of Medicine, Croatia
2009 – 2013 Assistant Professor, University of Split School of Medicine, Croatia
2008 – 2009 Director, Croatian Branch of The Cochrane Collaboration
2007 – 2009 Research Officer, University of Split, Croatia
2006 – 2009 Instructor, University of Split School of Medicine, Croatia
2004 – 2006 Postdoctoral fellow, University of Texas Southwestern Medical Center, Dallas, USA
2003 – 2004 Postdoctoral fellow, University of Colorado Health Sciences Center, Denver, USA

Professional service

2018 Scientific Advice Working Party (SAWP), European Medicines Agency
2018 Pharmacovigilance Risk Assessment Committee (PRAC), European Medicines Agency; Independent expert appointed by European Commission
2018 Committee for Safety of Patients in Republic Croatia, Ministry of Health, Croatia
2016 – 2018 Committee for Safe Use of Medicines, Agency for Medicinal Products and Medical Devices (HALMED)
2011 – Board of Directors, Zeljko J. Bosnjak Foundation
2010 – Committee for Continuous Medical Education, School of Medicine in Split
2009 – Knowledge Translation Coordinator, Croatian Cochrane Branch
2010 – 2017 Festival of Science, Organizing Committee, University of Split
2010 – 2014 Fame Lab, Organizing Committee, University of Split
2014 - 2016 President, Doctoral School, University of Split School of Medicine
2013 – 2015 Researchers' Night, Organizing Committee, University of Split
2011 – 2012 Scientific Committee, Bridges in Life Sciences Annual Conference
2010 – 2011 Committee for Research, School of Medicine in Split
2008 – 2010 European Science Foundation (ESF) Member Forum on Research Integrity, Chair of Working Group for Research on Research Integrity
2008 – 2009 Quality Assurance Committee, School of Medicine in Split

Training

2016	Visiting scientist, Centre for Practice Changing Research, OHRI, Ottawa, Canada
2008	Scholar, European Pain School, Siena, Italy
2007	Guest scientist, University of Ottawa, Canada
2002	Student exchange, Nijmegen Center for Molecular Life Sciences, The Netherlands

Research interests

Pain, Evidence-based medicine

Grants

2018	Project Co-Applicant, COST Action CA17117: Towards an International Network for Evidence-based Research in Clinical Health Research, EVBRES (COST)
2017	Project Coordinator, Popularization of science grant (MZOS)
2016	Project Coordinator, Popularization of science grant (MZOS)
2016	Project Mentor, Young Scientist Career Development (HRZZ, I-2238-2016)
2015 -	Clinical site coordinator, Multi-dimensional omics approach to stratification of patients with low back pain; Pain-OMICS (EU FP7 project)
2015 -	Project participant, Professionalism in health (HRZZ)
2015 -	Project participant, Treating neuropathic pain with dorsal root ganglion stimulation (HRZZ)
2014	Project Coordinator, Popularization of science grant (MZOS)
2013	Project Coordinator, Popularization of science grant (MZOS)
2010 – 2013	Principal Investigator, Molecular Memory in Diabetic Neuropathy (HRZZ)
2011 - 2012	Project Mentor, Unity Through Knowledge 2A (UKF)
2009 – 2010	Project Coordinator, Initiative for Improving Pain Education Grant (IASP)
2007 – 2009	Project Manager, Capacity Building for Research in Croatia (TEMPUS JEP)

Awards

2017	Chris Silagy Prize, awarded by the Cochrane
2015	Award for science promotion. University of Split School of Medicine.
2013	The best poster award. Scandinavian Pain Association Meeting.
2005	Abstract of the year. American Association for the Study of Liver Diseases.

Teaching experience

- *University of Split School of Medicine*: Histology and Embryology, Writing a research paper, Communication and presentation skills, Assessment of a research article, Cochrane library and evidence in medicine, Systematic review and meta-analysis, Empathy and pain, The Cochrane library, The puzzle of pain, Fertilization
- *Medical School Mostar, Bosnia and Herzegovina*: Principles of research in medicine, The puzzle of pain
- *University of Tuzla School of Medicine, Bosnia and Herzegovina*: Evidence-based medicine
- *Continuous Medical Education Courses*: Croatian Cochrane Symposium (Split, Croatia), Interprofessional treatment of Pain (Split and Šibenik, Croatia), Writing a research manuscript (Konjic, Bosnia and Herzegovina)
- *Presentations at professional symposia*: Health inWest 2013 (Zagreb, Croatia), Summer school of health promotion "Media and Health" 2013 (Grozňjan, Croatia), Metabolic syndrome congress 2013 (Osijek, Croatia)

Educational software

Saraga-Babić M, Sapunar D, **Puljak L**, Vukojević K, Lovrić Kojundžić S. Histology Atlas. Virtual Medical School, 2007.

Memberships in professional associations

International Association for the Study of Pain (IASP)
 Croatian Evidence-Based Medicine Society (EBM Society Croatia)
 Croatian Medical Association (*Hrvatski liječnički zbor, HLZ*)
 Croatian Pain Management Society (*Hrvatsko društvo za liječenje boli, HDLB*)

Mentored graduate students

2018	Svjetlana Došenović, Doctoral thesis, University of Split
2018	Krste Boric, Doctoral thesis, University of Split
2018	Tonči Brković, Doctoral thesis, University of Split
2018	Mahir Fidahić, Doctoral thesis, University of Tuzla
2018	Filipa Markotić, Doctoral thesis, University of Split
2015	Mladen Lešin, Doctoral thesis, University of Split
2015	Matija Borić, Doctoral thesis, University of Split
2014	Antonia Jeličić Kadić, Doctoral thesis, University of Split
2013	Lejla Ferhatović, Doctoral thesis, University of Split
2012	Filipa Markotić, Master's thesis, University of Mostar
2011	Katarina Novak, Doctoral thesis, University of Split
2011	Suzyen Kraljević, Master's thesis, University of Split
2011	Antonija Marić, Master's thesis, University of Mostar
2011	Ankica Ćosić, Master's thesis, University of Mostar

Mentored undergraduate students

2018	Katarina Matičić, Master of Pharmacy Thesis, University of Split
2018	Antonija Penić, Master of Pharmacy Thesis, University of Split
2018	Clemens Janda-Martinac, MD Thesis, University of Split
2018	Ivana Propadalo, Doctor of Dental Medicine Thesis, University of Split
2017	Tonkica Škugor, Master of Pharmacy Thesis, University of Split
2017	Ivana Utrobičić, Master of Pharmacy Thesis, University of Split
2017	Nikolina Markovina, Master of Pharmacy Thesis, University of Split
2017	Katja Janačković, Master of Pharmacy Thesis, University of Split
2017	Anja Engelking, MD Thesis, University of Split
2016	Goran Tintor, MD Thesis, University of Split
2016	Nikolina Gabelica, Master of Pharmacy Thesis, University of Split
2016	Anamarija Vučko, Master of Pharmacy Thesis, University of Split
2016	Ana Tokić, Master of Pharmacy Thesis, University of Split
2016	Marija Radman, Master of Pharmacy Thesis, University of Split
2016	Karmen Dragičević, MD Thesis, University of Split
2016	Marin Viđak, MD Thesis, University of Split
2016	Nives Surjan, Master of Pharmacy Thesis, University of Split
2015	Petra Jurkić, Master of Pharmacy Thesis, University of Split
2015	Marina Biočić, MD Thesis, University of Split
2015	Krste Borić, MD Thesis, University of Split
2014	Andrea Anić-Matić, MD Thesis, University of Split
2014	Katarina Dogan, MD Thesis, University of Split
2013	Ivan Škopljanac, MD Thesis, University of Split
2012	Andrija Babić, MD thesis, University of Split
2012	Marko Brekalo, MD thesis, University of Split
2012	Roberta Andrea Tešija, MD thesis, University of Split
2012	Eliana Brković, MD thesis, University of Split
2011	Karolina Balajić, MD thesis, University of Split

Reviews and evaluations

Reviewer of research projects: COST, FP7, Horizon 2020, The Netherlands Organisation for Scientific Research (NWO); Croatian Science Foundation (HRZZ), Polish National Science Center (NCN)

Reviewer at symposia: Bridges in Life Sciences, Cochrane Colloquium

Reviewer of doctoral theses: School of Medicine at University of Josip Juraj Strossmayer Osijek Croatia, School of Medicine at University of Rijeka in Croatia, University of Split School of Medicine, School of Medicine at University of Mostar in Bosnia and Herzegovina

Peer-reviewer for scholarly journals (N=107)

ACS Chemical Neuroscience; Acta Anaesthesiologica Scandinavica; Acta Histochemica; Acta Medica Academica; Advances in Health Sciences Education; Advances in Medical Education and Practice; American Journal of Case Reports; American Journal of Kidney Diseases; Anesthesia & Analgesia; Archives of Disease in Childhood; Biopolymers and Cell; BMC Anesthesiology; BMC Medical Education; BMC Musculoskeletal Disorders; BMC Psychology; BMJ; BMJ Evidence-Based Medicine; BMJ Open; BMJ Open Quality; Bosnian Journal of Basic Medical Sciences; British Journal of Medicine and Medical Research; Cardiovascular Diabetology; Cephalalgia; Chronic Diseases and Translational Medicine; Clinical and Experimental Dental Research; Clinical and Experimental Dermatology; Clinical Epidemiology; Clinical Interventions in Aging; ClinicoEconomics and Outcomes Research; Collegium Antropologicum; Croatian Medical Journal; Current Medical Research & Opinion; Diabetes and Vascular Disease Research; Drug, Healthcare and Patient Safety; Drugs; Educational Research; EURASIA Journal of Mathematics, Science and Technology Education; European Journal of Dental Education; European Journal of Pain; European Science Editing; Experimental Gerontology; Expert Review of Medical Devices; Expert Review of Neurotherapeutics; F1000; Family Medicine; Indian Heart Journal; International Health; International Journal of Behavioral Medicine; International Journal of Developmental Neuroscience; International Journal of Preventive Medicine; International Medical Case Reports Journal; Journal of Anesthesia & Clinical Care; Journal of Child & Adolescent Mental Health; Journal of Clinical Anesthesia; Journal of Clinical Epidemiology; Journal of Disease and Global Health; Journal of Educational Administration and Policy Studies; Journal of Endocrinology; Journal of Functional Foods; Journal of Herbal Medicine; Journal of International Medical Research; Journal of Interprofessional Care; Journal of Medical Internet Research; Journal of Medical Systems; Journal of Neurosciences in Rural Practice; Journal of Nursing Scholarship; Journal of Nutrition, Health and Aging; Journal of Pain Research; Journal of Physiology and Biochemistry; Journal of the Knowledge Economy; Khyber Medical University Journal; Liječnički vijesnik; Macedonian Journal of Medical Sciences, Medical & Biological Engineering & Computing, Medical Education, Medical Humanities; Medical Science Monitor; Medicinski glasnik; Microscopy and Microanalysis; Molecular Neurobiology; Molecular Pain; Neurobiology of Disease; Neuroscience; Neuroscience Letters; Nurse Education Today; Open Access Rheumatology: Research and Reviews; Osteoarthritis and Cartilage; Pain Management; Pain Practice; Patient Preference and Adherence; Pharmacological Reports; Phytomedicine; PLoS One; Psychology, Health & Medicine; Psychology Research and Behavior Management; Recent Patents on Biotechnology; SAGE Open Medicine; Saudi Medical Journal; Science and Engineering Ethics; Sestrinski glasnik/Nursing Journal (SG/NJ); Somatosensory & Motor Research; SpringerPlus; Therapeutics and Clinical Risk Management; Trials; Toxicology Reports; World Journal of Gastroenterology; World Journal of Orthopedics

Books

- 2014 Translated into Croatian: Evans I, Thornton H, Chalmers I, Glasziou P. Testing Treatments. Croatian title: Gdje su dokazi? Profil, Zagreb, Croatia.
- 2010 **Puljak L**, Sapunar D. Dictionary of Pain [in Croatian]. Redak. Split, Croatia.
- 2010 Sapunar D, **Puljak L**. Neurobiology of Pain [in Croatian]. In: Pain – causes and treatment. Editors: Jukic M, Majeric Kogler V, Fingler M. Medicinska naklada, Zagreb, Croatia.
- 2010 Sapunar D, **Puljak L**, Kostic S, Banozic A. Are mice small rats? Rodent models of neuropathic pain. In: Anatomy and Embryology of the Mouse. Editor: Marusic A. University of Split School of Medicine, Split, Croatia.

Guidelines

Jukic M, **Puljak L**, Katic M, Majeric Kogler V, Bergman Markovic B, Kvolik S, Fingler M. Guidelines for the use of opioids in chronic nonmalignant pain. Croatian Association for the treatment of pain (HDLB) and Association of Teachers in General Practice/Family Medicine (DNOOM). *Medix* 2014;20 (11).

Publications in peer-reviewed journals

1. Behmen D, Marusic A, **Puljak L**. Capacity building for knowledge translation: a survey about characteristics and motivation of volunteer translators of Cochrane plain language summaries. *Journal of Evidence-Based Medicine*. 2019. Accepted.
2. Biocic M, Fidahic M, **Puljak L**. Reproducibility of search strategies of non-Cochrane systematic reviews published in anaesthesiology journals is suboptimal: primary methodological study. *British Journal of Anaesthesia*. 2019. Accepted.
3. Maticic K, Krnic Martinic M, **Puljak L**. Assessment of reporting quality of abstracts of systematic reviews with meta-analysis using PRISMA-A and discordance in assessments between raters without prior experience. *BMC Medical Research Methodology*. 2019;19:32. doi: 10.1186/s12874-019-0675-2.
4. **Puljak L**. Methodological studies evaluating evidence are not systematic reviews. *Journal of Clinical Epidemiology*. 2019. doi: 10.1016/j.jclinepi.2019.02.002.
5. Krsticevic M, Dosenovic S, Dimcea DAM, Jedzrejewska D, Marques Lameirao AC, Santos Almeida E, Jelcic Kadic A, Jeric M, Boric K, **Puljak L**. Outcome domains, outcome measures and characteristics of randomized controlled trials testing non-surgical interventions for osteoarthritis. *Journal of Rheumatology*. 2019. Accepted.
6. Gabelica M, Cavar J, **Puljak L**. Authors of trials from high-ranking anesthesiology journals were not willing to share raw data. *Journal of Clinical Epidemiology*. 2019. doi: 10.1016/j.jclinepi.2019.01.012.
7. **Puljak L**. Can acupuncture help adults suffering from neuropathic pain? A Cochrane Review summary with commentary. *NeuroRehabilitation*. 2019. Accepted.
8. Vuka I, Marcius T, Dosenovic S, Ferhatovic Hamzic L, Vucic K, Sapunar D, **Puljak L**. Neuromodulation with electrical field stimulation of dorsal root ganglion in various pain syndromes: a systematic review with focus on participant selection. *Journal of Pain Research*. 2019. Accepted.
9. Markovina N, Banjari I, Bučević Popović V, Jeličić Kadić A, **Puljak L**. Efficacy and safety of oral and inhalation commercial beta-glucan products: systematic review of randomized controlled trials. *Clinical Nutrition*. 2019. doi: 10.1016/j.clnu.2019.01.003
10. **Puljak L**. Can botulinum toxin help prevent migraine in adults? - A Cochrane Review summary with commentary. *American Journal of Physical Medicine & Rehabilitation*. 2019. doi: 10.1097/PHM.0000000000001131.
11. **Puljak L**. Adequate and complete reporting of Cochrane risk of bias tool. *Pain*. 2018. Accepted.
12. Pieper D, **Puljak L**, Gonzalez-Lorenzo M, Minozzi S. Only minor differences between AMSTAR 2 and ROBIS in the assessment of systematic reviews including both randomized and non-randomized studies. *Journal of Clinical Epidemiology*. 2018. doi: 10.1016/j.jclinepi.2018.12.004.
13. Propadalo I, Tranfic M, Vuka I, Barcot O, Poklepovic Pericic T, **Puljak L**. In Cochrane systematic reviews risk of bias assessments for allocation concealment were frequently not in line with Cochrane's Handbook guidance. *Journal of Clinical Epidemiology*. 2018. doi.org/10.1016/j.jclinepi.2018.10.002.
14. Janackovic K, **Puljak L**. Reporting quality of randomized controlled trial abstracts in the seven highest-ranking anesthesiology journals. *Trials*. 2018;19:591.
15. **Puljak L**. Prescribers' compliance is part of benefit-risk assessment of medicines and it can lead to failure of risk minimization measures and withdrawals of medicines. *Current Medical Research & Opinion*. 2018. doi: 10.1080/03007995.2018.1528217.
16. Boric K, Jelcic Kadic A, Boric M, Zarandi-Nowroozi M, Jakus D, Cavar M, Dosenovic S, Jeric M, Batinic M, Vukovic I, **Puljak L**. Outcome domains and pain outcome measures in randomized controlled trials of interventions for postoperative pain in children and adolescents. 2018. *European Journal of Pain*. 2018 Sep 4. doi: 10.1002/ejp.1313.
17. Saric L, Vucic K, Vrdoljak M, Jakus D, Vuka I, Jelcic Kadic A, Saldanha IJ, **Puljak L**. Comparison of conference abstracts and full-text publications of randomized controlled trials presented at four consecutive World Congresses of Pain: Reporting quality and agreement of results. *European Journal of Pain*. 2018. doi: 10.1002/ejp.1289.
18. Engelking A, Cavar M, Puljak L. The use of systematic reviews to justify anesthesiology trials: a meta-epidemiological study. *European Journal of Pain*. 2018;22(10):1844-1849.
19. **Puljak L**, Dosenovic S, Boric K. Importance of consistent outcomes in randomized controlled trials and systematic reviews about anesthesiology and pain. *Pain Management*. 2018;8(4):251-253.
20. Jukic M, **Puljak L**. Legal and ethical aspects of pain management. *Acta Medica Academica*. 2018;47(1):18-26.

21. Sapunar D, Marusic M, **Puljak L**, Grkovic I, Malicki M, Marusic A, Civljak M, Tanjic Z. The Medical School of the Catholic University of Croatia: Principles, Goals, Standards and Organization. *Acta Medica Academica*. 2018;47(1):61-75.
22. Lesin M, Paradzik M, Lovric Marin J, Olujic I, Ljubic Z, Vucinovic A, Bucan K, **Puljak L**. Cauterization versus fibrin glue for conjunctival autografting in primary pterygium surgery (CAGE CUP): study protocol of a randomized controlled trial. *BMJ Open*. 2018;8(6):e020714.
23. **Puljak L**. Flupirtine, an Effective Analgesic, but Hepatotoxicity Should Limit Its Use. *Anesthesia & Analgesia*. 2018;127(1):309-310.
24. Buljan I, Marusic A, Hren D, Wager E, Kellie F, West H, **Puljak L**, Malicki M, Alfirevic Z. Response to letter to the editor by Mc Sween-Cadieux et al (2017). *Journal of Clinical Epidemiology*. 2018;100:133-134.
25. Boric K, Boric M, Dosenovic S, Jelacic Kadic S, Batinic M, Cavar M, Jeric M, **Puljak L**. Authors' lack of awareness and use of core outcome set on postoperative pain in children is hindering comparative effectiveness research. *Journal of Comparative Effectiveness Research*. 2018;7(5):463-470.
26. Dosenovic S, Jelacic Kadic A, Vucic K, Markovina N, Pieper D, **Puljak L**. Comparison of methodological quality rating of systematic reviews on neuropathic pain using AMSTAR and R-AMSTAR. *BMC Medical Research Methodology*. 2018;18(1):37.
27. **Puljak L**. Technology-assisted risk of bias assessment in systematic reviews requires precise definitions of risk of bias. *Journal of Clinical Epidemiology*. 2018;99:167-171.
28. Banozic A, Miljkovic A, Bras M, **Puljak L**, Kolcic I, Hayward C, Polasek O. Neuroticism and pain catastrophizing aggravate response to pain in healthy adults: an experimental study. *Korean Journal of Pain*. 2018;31(1):16-26.
29. **Puljak L**. Randomized controlled trial about pain medication flupirtine ignores recent pharmacovigilance warnings. *Journal of Pain Research*. 2018;11:177-180.
30. Brkovic T, Burilovic E, **Puljak L**. Risk factors associated with pain on chronic intermittent hemodialysis: a systematic review. *Pain Practice*. 2018;18(2):247-268.
31. Delic IK, Kostic S, Filipovic N, Gudelj Ensor L, Ivandic M, Dukic JJ, Vitlov Uljevic M, Ferhatovic Hamzic L, **Puljak L**, Vukojevic K. Changes in expression of special AT-rich sequence binding protein 1 and phosphatase and tensin homologue in kidneys of diabetic rats during ageing. *Nephrology, dialysis, transplantation*. 2018 Mar 1. doi: 10.1093/ndt/gfy003.
32. Bakovic M, Filipovic N, Ferhatovic Hamzic L, Kunac N, Zdrilic E, Vitlov Uljevic M, Kostic S, **Puljak L**, Vukojevic K. Changes in neurofilament 200 and tyrosine hydroxylase expression in the cardiac innervation of diabetic rats during aging. *Cardiovascular Pathology*. 2018;32:38-43.
33. Buljan I, Malicki M, Wager E, **Puljak L**, Hren D, Kellie F, West H, Alfirevic Z, Marusic A. No difference in knowledge obtained from infographic or plain language summary of a Cochrane systematic review: three randomized controlled trials. *Journal of Clinical Epidemiology*. 2018;97:86-94.
34. Markotic F, Jurisic D, Curkovic M, Puljiz M, Novinscak M, Bonassin M, Vrdoljak D, Vojvodic Z, Permozer Hajdarevic S, Pekez-Pavlisko T, Tomicic M, Diminic-Lisica I, Fabris Ivsic S, Nejasmic D, Miosic I, Novak I, **Puljak L**. Sharing of prescription analgesics among patients in family practice. Frequency and associated factors. *European Journal of Pain*. 2018;22(4):716-727.
35. Riva N, **Puljak L**, Moja L, Ageno W, Schunemann H, Magrini N, Squizzato A. Multiple overlapping systematic reviews facilitate the origin of disputes: the case of thrombolytic therapy for pulmonary embolism. *Journal of Clinical Epidemiology*. 2018;97:1-13.
36. Dosenovic S, Jelacic Kadic A, Jeric M, Boric M, Markovic D, Vucic K, **Puljak L**. Efficacy and safety outcome domains and outcome measures in systematic reviews of neuropathic pain conditions. *Clinical Journal of Pain*. 2018;34(7):674-684.
37. Vuka I, Vucic K, Repic T, Ferhatovic Hamzic L, Sapunar D, **Puljak L**. Electrical stimulation of dorsal root ganglion in the context of pain: a systematic review of in vitro and in vivo animal model studies. *Neuromodulation*. 2018;21(3):213-224.
38. Jeric M, Surjan N, Jelacic Kadic A, Riva N, **Puljak L**. Treatment of acute migraine attacks in children with analgesics on the World Health Organization Essential Medicines List: a systematic review and GRADE evidence synthesis. *Cephalalgia*. 2018;38(9):1592-1607.
39. **Puljak L**, Sapunar D. Acceptance of a systematic review as a thesis: Survey of biomedical doctoral programs in Europe. *Systematic Reviews*. 2017;12;6(1):253.
40. Sunara P, Krnic D, **Puljak L**. Adverse drug reactions of non-opioid and opioid analgesics reported to Croatian national authority from 2007 to 2014. *Acta Medica Academica*. 2017;46(2):94-104.
41. Utrobicic I, Utrobicic F, Proloscic I, Utrobicic T, Jeric M, Jelacic Kadic A, **Puljak L**. Postoperative pain management after carpal tunnel syndrome surgical treatment: comparing practice with guidelines. *Acta Clinica Croatica*. 2017;56(3):422-427.

42. **Puljak L.** If there is only one author or only one database was searched, a study should not be called a systematic review. *Journal of Clinical Epidemiology*. 2017;91:4-5.
43. **Puljak L.** Reporting randomized controlled trial quality and search date in systematic reviews and meta-analyses. *Pain*. 2017.158(12):2498-2499.
44. Boric K, Dosenovic S, Jelacic Kadic A, Boric M, Jeric M, **Puljak L.** Efficacy and safety outcomes in systematic reviews of interventions for postoperative pain in children: comparison against the recommended core outcome set. *Pain Medicine*. 2017. doi: 10.1093/pm/pnx255.
45. **Puljak L.** Re: Evolution of poor reporting and inadequate methods over time in 20 920 randomised controlled trials included in Cochrane reviews: research on research study. *BMJ Rapid Response*. Available at: <http://www.bmj.com/content/357/bmj.j2490/rr>
46. Vidak M, Tokalić R, Marušić M, **Puljak L.** Sapunar D. Improving completion rates of students in biomedical PhD programs: an interventional study. *BMC Medical Education*. 2017;25;17(1):144.
47. Nejasmic D, Miosic I, Vrdoljak D, Permozer Hajdarovic S, Tomicic M, Gmajnic R, Diminic Lisica I, Sironic Hreljanovic J, Pleh V, Cerovacki V, Tomljenovic A, Bekic S, Jercic M, Tuda K, **Puljak L.** Awareness and use of evidence-based medicine information among patients in Croatia: a nation-wide cross-sectional study. *Croatian Medical Journal*. 2017;31;58(4):300-309.
48. Riado Minguez D, Kowalski M, Vallve Odena M, Longin Pontzen D, Jelacic Kadic A, Jeric M, Dosenovic S, Jakus D, Vrdoljak M, Poklepovic Pericic T, Sapunar D, **Puljak L.** Methodological and reporting quality of systematic reviews published in the highest ranking journals in the field of pain. *Anesthesia & Analgesia*. 2017;125(4):1348-1354.
49. Boric K, Dosenovic S, Jelacic Kadic A, Batinic M, Cavar M, Urlic M, Markovina N, **Puljak L.** Interventions for postoperative pain in children: an overview of systematic reviews. *Pediatric Anesthesia*. 2017;27(9):893-904.
50. Dosenovic S, Jelacic Kadic A, Boban M, Biocic M, Boric K, Cavar M, Markovina N, Vucic K, **Puljak L.** Interventions for neuropathic pain: an overview of systematic reviews. *Anesthesia & Analgesia*. 2017;125(2):643-652.
51. Saratlija Novakovic Z, Tesija RA, **Puljak L.** Association between metabolic syndrome and overactive bladder: a case-control study. *Scandinavian Journal of Urology*. 2017; 27:1-4.
52. Fidahic M, Jelacic Kadic A, Radic M, **Puljak L.** Celecoxib for rheumatoid arthritis (Review). *Cochrane Database of Systematic Reviews*. 2017;6:CD012095.
53. **Puljak L.** Marin A, Vrdoljak D, Markotic F, Utrobicic A, Tugwell P. Celecoxib for osteoarthritis (Review). *Cochrane Database of Systematic Reviews*. 2017;5:CD009865.
54. Muscaritoli M, Krznaric Z, Singer P, Barazzoni R, Cederholm T, Golay A, Van Gossum A, Kennedy N, Kreymann G, Laviano A, Pavic A, **Puljak L.** Sambunjak D, Utrobicic A, Schneider SM. Effectiveness and efficacy of nutritional therapy: A systematic review following Cochrane methodology. *Clinical Nutrition*. 2017;36(4):939-957.
55. Bucan K, Matas A, Lovric JM, Batistic D, Plestina Borjan I, **Puljak L.** Bucan I. Epidemiology of ocular trauma in children requiring hospital admission: a 16-year retrospective cohort study. *Journal of Global Health*. 2017;7(1):010415.
56. Biocic M, Vidosevic D, Boric M, Boric T, Fabijanic D, Giunio L, **Puljak L.** Anesthesia and perioperative pain management during cardiac electronic device implantation. *Journal of Pain Research*. 2017;10:927-32.
57. Rossini Gajsak L, Gelemanovic A, Rojnic Kuzman M, **Puljak L.** Impact of stress response in development of first-episode psychosis in schizophrenia: An overview of systematic reviews. *Psychiatria Danubina*. 2017;29(1):14-23.
58. Markotic F, Vrdoljak D, Puljiz M, **Puljak L.** Risk perception about medication sharing among patients: a focus group qualitative study on borrowing and lending of prescription analgesics. *Journal of Pain Research*. 2017;10:365-374.
59. Krsticevic M, Jeric M, Dosenovic S, Jelacic Kadic S, **Puljak L.** Proliferative injection therapy for osteoarthritis: a systematic review. *International Orthopaedics*. 2017;41(4):671-679.
60. Boric K, Boric M, Boric T, **Puljak L.** Analysis of perioperative pain management in vascular surgery indicates that practice does not adhere with guidelines: a retrospective cross-sectional study. *Journal of Pain Research*. 2017;10:203-9.
61. Markotic F, **Puljak L.** Risks associated with borrowing and sharing of prescription analgesics among patients observed by pain management physicians in Croatia: a qualitative study. *Journal of Pain Research*. 2016;9:1143-1151.
62. Jukic M, Saric L, Prkic I, **Puljak L.** Medical futility treatment in intensive care units. *Acta Medica Academica*. 2016;45(2):135-144.
63. Vuica A, Vukojevic K, Ferhatovic Hamzic L, Jeric M, **Puljak L.** Grkovic I, Filipovic N. Expression pattern of CYP24 in liver during ageing in long-term diabetes. *Acta Histochemica*. 2016;118(5):486-95.

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Abstracts and presentations at scientific meetings

1. **Puljak L**, Babic A. Evidence-based emergency medicine. 4th Emergency Medicine Congress with International Participation. Vodice, Croatia. April 25-28, 2018.
2. **Puljak L**. Cochrane - promoting evidence-based decision-making in health care community. 7th Croatian Congress of Physical and Rehabilitation Medicine. Sibenik, Croatia. April 19-22, 2018.
3. Jeric M, Surjan N, Jelacic Kadic A, Riva N, Moja L, **Puljak L**. Treatment of acute migraine attacks in children with analgesics on the World Health Organization Essential Medicines List: A systematic review. Cochrane Colloquium. Cape Town, South Africa. September 12-16, 2017.
4. Buljan I, Malički M, Wager E, **Puljak L**, Hren D, Kellie F, West H, Alfirević Ž, Marušić A. Presenting summary information from Cochrane systematic reviews: randomised-controlled trial of infographics vs. standard text-based summaries. Cochrane Colloquium. Cape Town, South Africa. September 12-16, 2017.
5. Parmelli E, Capobussi M, Gonzalez-Lorenzo M, **Puljak L**, Riva N, Squizzato A, Moja L. Evidence, values and context preferences to help mitigate disputes and enhance the applicability of guideline recommendations to practice. Cochrane Colloquium. Cape Town, South Africa. September 12-16, 2017.
6. Jelacic Kadic A, Fidahic M, Vujcic M, Saric F, Propadalo I, Marelja I, Dosenovic S, **Puljak L**. Cochrane Plain Language Summaries are highly heterogeneous with low adherence to standards. Cochrane Colloquium. Seoul, Republic of Korea. October 23-27, 2016.

7. Dosenovic S, Jelcic Kadic A, Boban M, Biocic M, Boric K, Vucic K, **Puljak L**. Interventions For Neuropathic Pain: An Overview Of Systematic Reviews. World Congress of Pain, Yokohama, Japan. September 26-30, 2016.
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9. Vucic K, Jelcic Kadic A, **Puljak L**. Methods for data extraction from figures in protocols of Cochrane Systematic Reviews. Oral presentation. Cochrane Colloquium. Vienna, Austria. October 3-7, 2015.
10. **Puljak L**, Ried J. Involving volunteers in translating Cochrane Plain Language Summaries to increase capacity. Oral presentation. Cochrane Colloquium. Vienna, Austria. October 3-7, 2015.
11. **Puljak L**. Using social media to disseminate translated Cochrane evidence and to promote high-quality health information in non-English speaking regions. Oral presentation. Cochrane Colloquium. Vienna, Austria. October 3-7, 2015.
12. Vuica A, Ferhatovic Hamzic L, Vukojevic K, Jeric M, **Puljak L**, Grkovic I, Filipovic N. Expression of 1 α -hydroxylase and vitamin D receptors in the rat liver during ageing and long-term diabetes mellitus. Poster # PO-371. 12th Multinational Congress on Microscopy. Eger, Hungary, August 23-28, 2015.
13. **Puljak L**. Cochrane Croatia: promoting evidence-based medicine since 2008. Evidence based healthy ageing in Europe. Rijeka, Croatia, May 27-29, 2015.
14. Dosenovic S, Jelcic Kadic A, Boban M, **Puljak L**. What do systematic reviews on the management of neuropathic pain tell us: a protocol for assessment of current evidence-based knowledge. 7th Croatian Cochrane Symposium. Split, Croatia, May 11, 2015.
15. Fidahic M, Jelcic Kadic A, Radic M, **Puljak L**. Celecoxib for rheumatoid arthritis: a Cochrane systematic review protocol. 7th Croatian Cochrane Symposium. Split, Croatia, May 11, 2015.
16. **Puljak L**. Evidence-based medicine: how do we know that a treatment is safe and effective. 1st Regional Workshop – Capacity Building for Sustainable Health Care Programs in South-Eastern Europe. Dubrovnik, Croatia, March 12-14, 2015.
17. Boric M, Jelcic Kadic A, **Puljak L**. Changes of calcium/calmodulin-dependent protein kinase II expression in spinal cord in rat models of type 1 and type 2 diabetes. Poster presentation. The 6th international symposium of clinical and applied anatomy. Malinska, Krk, June 26-29, 2014.
18. Borić M, Jeličić Kadić A, Sapunar D, **Puljak L**. The expression of calcium/calmodulin-dependent protein kinase II in spinal cord in rat models of type 1 and type 2 diabetes. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
19. Borsanyiova M, Sarmirova S, **Puljak L**, Jeličić Kadić A2 Borić M, Vari SG, Bopegamage S. A pilot study applicability of standardized modified method of dry (throat/buccal) swabs in PCR diagnosis of enteroviral infections. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
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21. Vrdoljak D, Bergman Marković B, **Puljak L**, Kranjčević K, Vučak J, Ivezić Lalić D. Lifestyle intervention in general practice for physical activity, smoking, alcohol consumption and diet in elderly. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
22. Blažetić S, Labak I, Viljetić B, Balog M, Vari SG, Krivošiková Z, Gajdoš M, Kramárová P, Kebis A, Vuković R, **Puljak L**, Has-Schön E, Heffer M. Effects of high fat diet, ovariectomy and physical activity on leptin receptor expression in rat brain and white fat tissue. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
23. Jelcic Kadic A, Boric M, Kostic S, Sapunar D, **Puljak L**. Intrathecal and intraganglionic injection of calcium/calmodulin-dependent protein kinase II inhibitors as potential treatment of neuropathic pain-related behavior. Workshop Application of biomaterials and in vivo imaging in stem cell research. Zagreb, Croatia. March 27-29, 2014.
24. Lesin M, Sundov ZD, Jukic M, **Puljak L**. Postoperative Pain in Complex Ophthalmic Surgical Procedures: Comparing Practice with Guidelines. Fifth Congress of the Association of Teachers in General Practice/Family Medicine: Pain – fifth vital sign. Zagreb, Croatia. March 14-16, 2014.
25. **Puljak L**. Evidence for the best clinical practice: how do we now that treatments are effective? First Croatian international congress of nutritionists: Metabolic syndrome. Osijek, Croatia. November 9-10, 2013.
26. Jelcic Kadic A, Boric M, Kostic S, Sapunar D, **Puljak L**. The effects of intraganglionic injection of calcium/calmodulin-dependent protein kinase II inhibitors on pain-related behavior in diabetic

- neuropathy. Oral presentation. 4th RECOOP TriNet Meeting. Split, Croatia. October 10-13, 2013.
27. Jelacic Kadic A, Boric M, Ferhatovic L, Banozic A, Sapunar D, **Puljak L**. Intrathecal inhibition of calcium/calmodulin-dependent protein kinase II in diabetic neuropathy adversely affects pain-related behavior. Oral presentation. 4th RECOOP TriNet Meeting. Split, Croatia. October 10-13, 2013.
 28. Ferhatovic L, Jelacic Kadic A, Boric M, Banozic A, Sapunar D, **Puljak L**. Expression of calcium/calmodulin-dependent protein kinase II in dorsal root ganglia in diabetic rats 6 months and 1 year after diabetes induction. Poster presentation. Scandinavian Association for the Study of Pain. Helsinki, Finland. June 13-15, 2013. Published as a supplement in: *Scandinavian Journal of Pain*. 2017;4(4):259. doi: 10.1016/j.sjpain.2013.07.014.
 29. Bozic J, Ticinovic Kurir T, Novak A, Vucemilovic H, Puljak L, **Puljak L**, Markotic A. Comparison of ganglioside GM3 expression in muscles of rat models with diabetes type 1 and 2. The 5th Croatian Diabetology Congress. Pula, Croatia. May 15-19, 2013.
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 31. **Puljak L**, Sapunar D. Improving outcomes of doctoral students: case study of the doctoral program Translational Research in Biomedicine, Split, Croatia. 8th ORPHEUS Conference. Prague, Czech Republic. April 25-27, 2013.
 32. Banozic A, **Puljak L**, Grkovic I, Sapunar D. Pain-related behavioral changes following experimentally induced acute myocardial infarction in rats. 14th World Congress on Pain. Milan, Italy. August 27-31, 2012.
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Other articles

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 Puljak L. Career blocker: Bad advisor. *Science careers*. January 13, 2006.

Student activities

- 2001 - 2002 National Public Health Officer, CroMSIC
 2001 Author and coordinator of the international medical students' project «Raising awareness on organ donation and donor card»
 2000 - 2002 Organizer of international exchange of medical students in Split, Croatia
 2000 Founder and president of the Croatian Medical Students' International Committee, Local Committee Split (CroMSIC LC Split)
 1997 - 1999 Demonstrator (teaching assistant) for Anatomy, Histology and Embryology

Postdoctoral activities

- 2005 - 2006 Founder and inaugural president of the Postdoctoral Association at the University of Texas Southwestern Medical Center at Dallas, TX, USA

Editorial experiences

- 2018 Section Editor, BMC Medical Research Methodology
 2017 Editorial Board, Croatian Medical Journal
 2014 - Editor, web portal Dokazi u medicini
 2014 - Editorial Board, Bosnian Journal of Basic Medical Sciences
 2013 - Editorial Board, Paediatrics Today
 2012 - 2018 Editorial Board, Liječničke novine
 2007 - 2013 Editor, Magazine of the School of Medicine in Split
 2005 - 2006 Editor-in-Chief, The Postdocket
 2000 - 2002 Editor of www.medicina.hr, Croatian independent medical web-site

Volunteering experiences

- 2013 - Translation project manager, Cochrane Croatia
 2012 - Certified Mountain Guide, Croatian Mountain Guide Association
 2010 – 2015 Head of the Mountaineering School, Mountaineering club Split, Croatia
 2006 – 2015 Executive Board, Mountaineering club Split, Croatia
 2003 - 2004 Team Leader, Volunteers for Outdoor Colorado, Denver, CO, USA
 2003 - 2004 Volunteer, Colorado Fourteeners Initiative, Golden, CO, USA

Other activities

- 2007 - 2008 Science Manager, Tempus project "Training for EU-liaison officers in Croatian Universities: pursuing Bologna and EU integration aims (TRIUMPH)"
 2007 Project participant, CARDS project "Intellectual Property Rights Infrastructure for the R&D Sector in Croatia"

Language skills

- Croatian (Native speaker)
 English (Advanced)
 Italian (Intermediate)
 German (Basic)
 Spanish (Basic)