

PERSONAL INFORMATION

Livia Puljak

WORK EXPERIENCE

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|------------------------|---|
| November 2018- Present | Full Professor
Catholic University of Croatia (Croatia) |
| May 2006-November 2018 | Currently: Associate Professor
University of Split School of Medicine (Croatia) |
| May 2004-April 2006 | Postdoctoral researcher
University of Texas Southwestern Medical Center at Dallas (United States) |
| April 2003-April 2004 | Postdoctoral Researcher
University of Colorado Health Sciences Center (United States) |

EDUCATION AND TRAINING

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| October 1996-September 2002 | Medical Doctor
University of Zagreb School of Medicine, Medical Studies in Split (Croatia) |
| October 2008-October 2008 | PhD
University of Split School of Medicine (Croatia) |

ADDITIONAL INFORMATION

Expertise pain, evidence-based medicine, knowledge synthesis, systematic reviews, meta-analyses

Publications

1. Puljak L. Challenges with defining a meta-epidemiological study as "study in which the unit of analysis is a study, not a patient:" author's reply. *Journal of Clinical Epidemiology*. December 6, 2022.
2. Runjic R*, Jelacic Kadic A*, Runjic E, Gudelj K, Milic J, Pacheco RL, Rombey T, Pieper D, Puljak L. (*shared first authorship) Most systematic reviews that used the term "update" in title/abstract were not an updated version. *Journal of Clinical Epidemiology*. 2022 Nov 25:S0895-4356(22)00299-2. doi: 10.1016/j.jclinepi.2022.11.014.
3. Marendic M, Bokan I, Matana A, Orlandini R, Siric A, Puljak L, Gusar I, Zoranic S, Sajko M, Cukljek S, Barac I, Svaljug D. Attitudes and factors that affect Croatian nursing students' choice of thesis type: a cross-sectional study. *Nurse Education Today*. Accepted November 22, 2022.
4. Hrkac A, Perkovic R, Kristo B, Puljak L. Prevalence of spinal pain in a population of Bosnia and Herzegovina. *Public Health*. Accepted November 22, 2022.
5. Bilic J, Skokandic L, Puljak L. Anticipatory grief and experience of providing at-home palliative care among informal caregivers of spouses in Croatia: a qualitative study. *BMC Palliative Care*. 2022;21:199. <https://doi.org/10.1186/s12904-022-01093-1>
6. Hrkac A, Bilic D, Cerny-Obrdalj E, Baketicaric I, Puljak L. Comparison of supervised exercise therapy with or without biopsychosocial approach for chronic nonspecific low back pain: a randomized controlled trial. *BMC Musculoskeletal Disorders*. 2022;23(1):966. doi: 10.1186/s12891-022-05908-3.
7. Puljak L. Caution is needed when describing a study design as meta-epidemiological. *Journal of*

- Clinical Epidemiology. 2022 Oct 26:S0895-4356(22)00267-0. doi: 10.1016/j.jclinepi.2022.10.017.
8. Krnic Martinic M, Malisa S, Aranza D, Civljak M, Marusic A, Sapunar D, Poklepovic Pericic T, Buljan I, Tokalic R, Cavic D, Puljak L. Creating an online educational intervention to improve knowledge about systematic reviews among healthcare workers: mixed-methods pilot study. *BMC Medical Education*. 2022;22:722. <https://doi.org/10.1186/s12909-022-03763-3>
9. Banic A, Fidahic M, Roje R, Vuka I, Puljak L, Buljan I. Conclusiveness, linguistic characteristics and readability of Cochrane plain language summaries of intervention reviews: a cross-sectional study. *BMC Medical Research Methodology*. 2022;22(1):240. doi: 10.1186/s12874-022-01721-7.
10. Mimica B*, Bucevic Popovic V*, Banjari I, Jelcic Kadic A, Puljak L. (*shared first authorship) Methods used for enhancing the bioavailability of oral curcumin in randomized controlled trials: a meta-research study. *Pharmaceuticals*. 2022;15(8):939. <https://doi.org/10.3390/ph15080939>
11. Norgaard B, Briel M, Chrysostomou S, Ristic Medic D, Buttigieg SC, Kiisk E, Puljak L, Bala M, Poklepovic Pericic T, Lesniak W, Zajac J, Lund H, Pieper D. A systematic review of meta-research studies found substantial methodological heterogeneity in citation analyses to monitor evidence-based research. *Journal of Clinical Epidemiology*. 2022 Jul 3:S0895-4356(22)00172-X. doi: 10.1016/j.jclinepi.2022.06.021.
12. Babic P, Filipovic N, Ferhatovic Hamzic N, Puljak L, Vukojevic K, Benzon B. Potential influence of age and diabetes mellitus type 1 on MSH2 (MutS homologues 2) expression in a rat kidney tissue. *Genes (Basel)*. 2022;13(6):1053. doi: 10.3390/genes13061053.
13. Meneses-Echavez JF, Bidonde J, Yepes-Nunez JJ, Poklepovic Pericic T, Puljak L, Bala MM, Storman D, Swierz M, Zajac J, Montesinos-Guevara C, Zhang Y, Chavez Guapo N, Schunemann H, Flottorp S, Alonso Coello P. Evidence to Decision frameworks enabled structured and explicit development of healthcare recommendations. *Journal of Clinical Epidemiology*. 2022 Jun 13;150:51-62. doi: 10.1016/j.jclinepi.2022.06.004.
14. Fidahic M, Nujic D, Civljak M, Runjic R, Markotic F, Vidak M, Puljak L. Standard of care for COVID-19 in randomized clinical trials registered in trial registries and published in preprint servers and scholarly journals: a cross-sectional study. *BMC Medical Research Methodology*. 2022;22(1):173. doi: 10.1186/s12874-022-01646-1.
15. Gabelica M, Bojic R, Puljak L. Many researchers were not compliant with their published data sharing statement: mixed-methods study. *Journal of Clinical Epidemiology*. 2022 May 30;150:33-41. doi: 10.1016/j.jclinepi.2022.05.019.
16. von Groote TC, Ghoreishi N, Bjorklund M, Porschen C, Puljak L. Exponential growth of systematic reviews assessing artificial intelligence studies in medicine: challenges and opportunities. *Systematic Reviews*. 2022;11:132. <https://doi.org/10.1186/s13643-022-01984-7>.
17. Krnic Martinic M, Civljak M, Marusic A, Sapunar D, Poklepovic Pericic T, Buljan I, Tokalic R, Malisa S, Neuberger M, Ivanisevic K, Aranza D, Skitarelic N, Zoranic S, Miksic S, Cavic D, Puljak L. Web-Based Educational Intervention to Improve Knowledge of Systematic Reviews Among Health Science Professionals: Randomized Controlled Trial. *Journal of Medical Internet Research*. 2022;24(8):e37000. doi: 10.2196/37000.
18. Runjic R, Plenkovic M, Piroscas S, Clarke M, Treweek S, Puljak L. Recommendations from Cochrane reviews for improving future trials on anesthesia and pain: a meta-research study. *Journal of Comparative Effectiveness Research*. 2022;11(9):669-677. doi: 10.2217/ceer-2022-0042.
19. Bojic R, Todoric M, Puljak L. Adopting AMSTAR-2 critical appraisal tool for systematic reviews: speed of the tool uptake and barriers for its adoption. *BMC Medical Research Methodology*. 2022;22(1):104. doi: 10.1186/s12874-022-01592-y.
20. Puljak L, Parmelli E, Capobussi M, Gonzalez-Lorenzo M, Parmelli E, Moja L, Riva N. Mitigating disputes originated by multiple discordant systematic reviews and meta-analyses: a survey of methodologists and clinicians. *Frontiers in Research Metrics and Analytics*. 2022;7. <https://doi.org/10.3389/frma.2022.849019>
21. Babic A, Poklepovic Pericic T, Pieper D, Puljak L. When is the evidence conclusive? Analysis of systematic reviews for which Cochrane declared that conclusions will not change with further studies. *Research Synthesis Methods*. 2022 Mar 12. doi: 10.1002/jrsm.1556.
22. Strcic J, Civljak A, Glozinic T, Pacheco RL, Brkovic T, Puljak L. Open data and data sharing in articles about COVID-19 published in preprint servers medRxiv and bioRxiv. *Scientometrics*. 2022. <https://doi.org/10.1007/s11192-022-04346-1>
23. Vuka I, Marcus T, Kovacic D, Sarolic A, Puljak L, Sapunar D. Implantable, Programmable, and Wireless Device for Electrical Stimulation of the Dorsal Root Ganglion in Freely-Moving Rats: A Proof of Concept Study. *Journal of Pain Research*. 2021;14:3759-3772. <https://doi.org/10.2147/JPR.S332438>

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28. Mladinic A, Puljak L, Koporc Z. Post-GDPR survey of data protection officers in research and non-research institutions in Croatia: a cross-sectional study. *Biochemia Medica (Zagreb)* 2021;31(3):030703. doi: 10.11613/BM.2021.030703
29. Barcot O, Boric M, Dosenovic S, Puljak L. Assessing the risk of performance and detection bias in Cochrane reviews as a joint domain is less accurate compared to two separate domains. *BMC Medical Research Methodology*. 2021;21(1):149. doi: 10.1186/s12874-021-01339-1.
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34. Civljak M, Civljak R, Kuzman I, Grgic A, Sember D, Belak Kovacevic S, Puljak L. Feasibility of the multimodal smoking cessation intervention during hospitalization with follow-up of 6 months post-discharge: a pilot study. *Acta Clinica Croatica*. 2022;61:273-283. doi: 10.20471/acc.2022.61.02.14
35. Jakus D, Behmen D, Buljan I, Marusic A, Puljak L. Efficacy of reminders for increasing volunteer engagement in translating Cochrane plain language summaries: a pilot randomized controlled trial. *BMJ Evidence-Based Medicine*. 2021;26:49-50. doi: 10.1136/bmjebm-2020-111378
36. Puljak L, Boric K, Dosenovic S. Pain assessment in clinical trials: a narrative review. *Annals of Translational Medicine*. 2021;9(2). doi: 10.21037/atm-20-3451
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47. Borges do Nascimento IJ, von Groote TC, O'Mathuna D, Abdulazeem HM, Henderson C, Jayarajah U, Weerasekera I, Poklepovic Pericic T, Edgar H, Klapproth G, Puljak L, Cacic N, Zakarija-Grkovic I, Mangeon Meirelles Guimaraes S, Nagib Atallah A, Bragazzi NL, Soriano Marcolino M, Marusic A, Jeroncic A. Clinical, laboratory and radiological characteristics and outcomes of novel coronavirus (SARS-CoV-2) infection in humans: A systematic review and series of meta-analyses. *PLoS One*. 2020;15(9):e0239235. doi: 10.1371/journal.pone.0239235.
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53. Fidahic M, Nujic D, Runjic R, Civljak M, Markotic F, Lovric Makaric Z, Puljak L. Research methodology and characteristics of journal articles with original data, preprint articles and registered clinical trial protocols about COVID-19. *BMC Medical Research Methodology*. 2020;20(1):161. doi: 10.1186/s12874-020-01047-2.
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- overview of systematic reviews. *Surgical Endoscopy*. 2020. doi: 10.1007/s00464-020-07674-6.
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64. Puljak L, Babic A, Pieper D. Limiting the search period in methodological studies. *Journal of Clinical Epidemiology*. 2020;123:175-176. doi: 10.1016/j.jclinepi.2020.04.002.
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