

**TOMISLAV MEŠTROVIĆ – PUBLICATION LIST – ADDENDUM TO CURRICULUM VITAE**

Peer reviewed journal publications divided into five sections (I – Publications in Bacteriology; II – Publications in Virology; III – Publications in Parasitology; IV – Publications in Public Health and Interdisciplinary Areas; V – Publications with IHME / GBD, LBD, GRAM and Other Projects): **142 in total**  
Poster presentations: 50 (only most relevant listed; more detailed list available upon request)  
Lectures and oral communications: 40 (only most relevant listed; more detailed list available upon request)  
Book/monography chapters: 10 (only most relevant listed; more detailed list available upon request)  
First-authored action briefs for the World Health Organization (WHO): 4

**I) PUBLICATIONS IN BACTERIOLOGY**

1. **Meštrović T.** *Antimicrobial resistance in Klebsiella pneumoniae as an independent risk factor for bacteraemia-related mortality.* Hong Kong Medical Journal 2021; 27: 385.
2. Bogdanov A, Janovák L, Vraneš J, **Meštrović T**, Ljubin-Sternak S, Cseh Z, Endrész V, Burián K, Vanić Ž, Virok DP. *Liposomal Encapsulation Increases the Efficacy of Azithromycin against Chlamydia trachomatis.* Pharmaceutics 2021; 14: 36.
3. Bedenić B, **Meštrović T.** *Mechanisms of Resistance in Gram-Negative Urinary Pathogens: From Country-Specific Molecular Insights to Global Clinical Relevance.* Diagnostics 2021; 11: 800.
4. **Meštrović T**, Matijašić M, Perić M, Čipčić Paljetak H, Barešić A, Verbanac D. *The Role of Gut, Vaginal, and Urinary Microbiome in Urinary Tract Infections: From Bench to Bedside.* Diagnostics 2020; 11: 7.
5. Krilanović M, Tomić-Paradžik M, **Meštrović T**, Beader N, Herljević Z, Conzemius R, Barišić I, Vraneš J, Elvedić-Gašparović V, Bedenić B. *Extended-spectrum beta-lactamases and plasmid diversity in urinary isolates of Escherichia coli in Croatia: a nation-wide, multicentric, retrospective study.* Folia Microbiologica 2020; 65: 649-667.
6. **Meštrović T**, Virok DP, Ljubin-Sternak S, Raffai T, Burián K, Vraneš J. *Antimicrobial Resistance Screening in Chlamydia trachomatis by Optimized McCoy Cell Culture System and Direct qPCR-Based Monitoring of Chlamydial Growth.* Methods in Molecular Biology 2019; 2042: 33-43.
7. Krznarić Ž, Vranešić Bender D, **Meštrović T.** *The Mediterranean diet and its association with selected gut bacteria.* Current Opinion in Clinical Nutrition & Metabolic Care 2019; 22: 401-406.
8. **Meštrović T**, Wilson J, Ljubin-Sternak S, Sviben M, Bedenić B, Barać A, Neuberg M, Drenjančević D, Ribić R, Kozina G. *A 'pathogenic needle' in a 'commensal haystack': Genetic virulence signatures of Corynebacterium glucuronolyticum that may drive its infectious propensity for the male urogenital system.* Medical Hypotheses 2019; 126: 38-41.
9. Ribić R, **Meštrović T**, Neuberg M, Kozina G. *Proposed dual antagonist approach for the prevention and treatment of urinary tract infections caused by uropathogenic Escherichia coli.* Medical Hypotheses 2019; 124: 17-20.
10. **Meštrović T.** *A microbial game of whack-a-mole: clinical case series of the urethral uncloaking phenomenon caused by Corynebacterium glucuronolyticum in men treated for Chlamydia trachomatis urethritis.* Infection 2019; 47: 121-124.

11. Franolić I, Bedenić B, Beader N, Lukić-Grić A, Mihaljević S, Bielen L, Zarfel G, **Meštrović T**. *NDM-1-producing Enterobacter aerogenes isolated from a patient with a JJ ureteric stent in situ*. CEN Case Reports 2019 ;8: 38-41.
12. **Meštrović T**, Ljubin-Sternak S. *Molecular mechanisms of Chlamydia trachomatis resistance to antimicrobial drugs*. Frontiers in Bioscience (Landmark Edition) 2018; 23: 656-670.
13. **Meštrović T**, Lukić-Grić A, Bogdan M, Bandić-Pavlović A, Cavrić G, Drenjančević D, Sreter KB, Benčić A, Sardelić S, Bedenić B. *Cephalosporinases in Proteus mirabilis isolates from long-term care facilities and the community*. Acta Medica Croatica 2018: 72; 285-294.
14. **Meštrović T**, Ljubin-Sternak S. *Insights on the Antimicrobial Efficacy of Azithromycin According to the First Croatian Antibiotic Susceptibility Study of Chlamydia Trachomatis Isolates from Genitourinary Tract*. MEDICUS 2018; 27: 177-182.
15. **Meštrović T**, Neuberg M, Profozić Z. *Abiotrofia defectiva – a fastidious bacterial species that warrants optimal co-operation between the clinic and the laboratory*. Interactive CardioVascular and Thoracic Surgery 2017; 25: 999-1000.
16. Sviben M, Ljubin-Sternak S, **Meštrović T**, Vraneš J. *Sociodemographic, Sexual Behavior, and Microbiological Profiles of Men Attending Public Health Laboratories for Testing for Sexually Transmitted Diseases*. Acta Dermatovenerologica Croatica 2017; 25: 125-132.
17. **Meštrović T**. *The quest for elusive causative microbiological agents of infectious ascending aortitis*. Interactive CardioVascular and Thoracic Surgery 2017; 25: 144.
18. Ljubin-Sternak S, **Meštrović T**, Kolarić B, Jarža-Davila N, Marijan T, Vraneš J. *Assessing the need for routine screening for Mycoplasma genitalium in the low-risk female population: a prevalence and co-infection study on women from Croatia*. International Journal of Preventive Medicine 2017; 8: 51.
19. Verbanac D, Perić M, Matijašić M, Panek M, **Meštrović T**, Leskovar D, Kraljević I, Rogić D, Kunović A, Vranešić D, Krznarić Ž, Čipčić Pateljak H. *Roles and changes of microbiota during postmenopause*. MEDIX 2017; 23: 124-129.
20. **Meštrović T**, Bedenić B. *Diagnostic intricacies and fortuitous treatment approaches for carbapenem-resistant Klebsiella pneumoniae*. Interactive CardioVascular and Thoracic Surgery 2016; 23: 768.
21. Bedenić B, Firis N, Elvedić-Gašparović V, Krilanović M, Matanović K, Štimac I, Luxner J, Vraneš J, **Meštrović T**, Zarfel G, Grisold A. *Emergence of multidrug-resistant Proteus mirabilis in a long-term care facility in Croatia*. Wiener Klinische Wochenschrift 2016; 128: 404-413.
22. **Meštrović T**, Profozić Z, Neuberg M. *Towards better understanding and management of Propionibacterium acnes in cases of prosthetic valve endocarditis*. Interactive CardioVascular and Thoracic Surgery 2016; 23: 154-5.
23. **Meštrović T**, Ljubin-Sternak S, Sviben M, Bedenić B, Vraneš J, Markotić A, Škerk V. *Antimicrobial Sensitivity Profile of Chlamydia trachomatis isolates from Croatia in McCoy Cell Culture System and Comparison with the Literature*. Clinical Laboratory 2016; 62: 357-64.
24. **Meštrović T**, Neuberg M. *Benefits of macrolide usage and bacteriological profile in patients with diffuse panbronchiolitis*. Interactive CardioVascular and Thoracic Surgery 2016; 22: 681.
25. Matijašić M, **Meštrović T**, Perić M, Čipčić Paljetak H, Panek M, Vranešić Bender D, Ljubas Kelečić D, Krznarić Ž, Verbanac D. *Modulating Composition and Metabolic Activity of the Gut Microbiota in IBD Patients*. International Journal of Molecular Sciences 2016; 17: pii: E578.

26. **Meštrović T.** Leveling the Human Microbiota Playing Field: A Rederivation of Gut Bacteria to Human Cells Ratio in Physiological Conditions and in Inflammatory Bowel Disease. Inflammatory Bowel Disease 2016; 22: E27.
27. **Meštrović T**, Profozić Z. Challenges in approaching infective endocarditis caused by *Abiotrophia defectiva*. Interactive CardioVascular and Thoracic Surgery 2016; 22: 114-115.
28. **Meštrović T**, Profozić Z. Clinical and microbiological importance of *Leptothrix vaginalis* on Pap smear reports. Diagnostic Cytopathology 2016; 44: 68-69.
29. **Meštrović T**, Ljubin-Sternak S, Bedenić B. Technical aspects of *Chlamydia trachomatis* antimicrobial susceptibility testing in cell culture system. Technical Journal 2015; 9: 136-141.
30. Ljubin-Sternak S, **Meštrović T.** *Chlamydia trachomatis* and genital mycoplasmas: pathogens with an impact on human reproductive health. Journal of Pathogens 2014; 2014: 183167.
31. **Meštrović T**, Bedenić B, Ljubin-Sternak S, Sviben M, Profozić Z. Ciprofloxacin-resistant *Corynebacterium glucuronolyticum* as a cause of male urethritis syndrome. Journal of Medical Microbiology Case Reports 2014; doi:10.1099/jmmcr.0.000208.
32. Uzunović S, Bedenić B, Budimir A, Kamberović F, Ibrahimagić A, Delić-Bikić S, Sivec S, **Meštrović T**, Varda Brkić D, Rijnders MI, Stobberingh EE. Emergency (clonal spread) of methicillin-resistant *Staphylococcus aureus* (MRSA), extended spectrum (ESBL) - and AmpC beta-lactamase-producing Gram-negative bacteria infections at Pediatric Department, Bosnia and Herzegovina. Wiener Klinische Wochenschrift 2014; 126: 747-756.
33. **Meštrović T**, Ljubin-Sternak S, Sviben M. Potential role of enterohepatic *Helicobacter* species as a facilitating factor in the development of *Chlamydia trachomatis* proctitis. Medical Hypotheses 2013; 81: 481-483.
34. Ljubin-Sternak S, **Meštrović T**, Vilibić-Čavlek T, Mlinarić-Galinović G, Sviben M, Markotić A, Škerk V. In vitro susceptibility of urogenital *Chlamydia trachomatis* strains in a country with high azithromycin consumption rate. Folia Microbiologica 2013; 58: 361-365.
35. **Meštrović T**, Profozić Z, Profozić V. *Helicobacter pylori* and insulin resistance. Liječnički Vjesnik 2012; 134: 292-296.
36. **Meštrović T.** The role of vaginal microbiome in sexually transmitted infections. MEDICUS 2012; 21: 117-121.

## II) PUBLICATIONS IN VIROLOGY

37. **Meštrović T**, Sviben M, Zember S, Drenjančević D. Topical medication as an initial therapeutic option for protruding and non-protruding condylomata acuminata of the distal urethra. BMJ Case Reports 2021; 14: e243618.
38. Ljubin-Sternak S, **Meštrović T**, Lukšić I, Mijač M, Vraneš J. Seasonal Coronaviruses and Other Neglected Respiratory Viruses: A Global Perspective and a Local Snapshot. Frontiers in Public Health 2021; 9: 691163.
39. Talapko J, **Meštrović T**, Pustijanac E, Škrlec I. Towards the Improved Accuracy of Hepatitis E Diagnosis in Vulnerable and Target Groups: A Global Perspective on the Current State of Knowledge and the Implications for Practice. Healthcare 2021; 9: 133.
40. Manathunge A, Barbaric J, **Meštrović T**, Beneragama S, Božičević I. HIV prevalence, sexual risk behaviours and HIV testing among female sex workers in three cities in Sri Lanka: Findings from respondent-driven sampling surveys. PLOS ONE 2020; 15: e0239951.

41. Matijašić M, **Meštrović T**, Paljetak HČ, Perić M, Barešić A, Verbanac D. Gut Microbiota beyond Bacteria-Mycobiome, Virome, Archaeome, and Eukaryotic Parasites in IBD. International Journal of Molecular Sciences 2020; 21: 2668.
42. **Meštrović T**, Ljubin-Sternak S, Božičević I, Barać A, Drenjančević D, Kozina G, Neuberger M, Vraneš J. Human papillomavirus (HPV) prevalence, temporal dynamics and association with abnormal cervical cytology findings in women from Croatia: is there a compounding effect of low-risk/high-risk HPV co-infection? Clinical Laboratory 2020; 66: doi: 10.7754/Clin.Lab.2020.200406.
43. Matijašić M, **Meštrović T**, Paljetak HČ, Perić M, Barešić A, Verbanac D. Gut Microbiota beyond Bacteria-Mycobiome, Virome, Archaeome, and Eukaryotic Parasites in IBD. International Journal of Molecular Sciences 2020; 21: pii: E2668.
44. Ljubin-Sternak S, **Meštrović T**, Ivković-Jureković I, Kolarić B, Slović A, Forčić D, Tot T, Mijač M, Vraneš J. The Emerging Role of Rhinoviruses in Lower Respiratory Tract Infections in Children – Clinical and Molecular Epidemiological Study From Croatia, 2017-2019. Frontiers in Microbiology 2019; 10: 2737.
45. Čivljak R, Košutić-Gulija T, Slović A, Huljev E, Turčić N, **Meštrović T**, Vraneš J, Ljubin-Sternak S. An Outbreak of Human Parainfluenza Virus 3 (Phylogenetic Subcluster C5) Infection among Adults at a Residential Care Facility for the Disabled in Croatia, 2018. Intervirology 2019 Oct 29: 1-8; doi: 10.1159/000503630. [Epub ahead of print].
46. Ljubin-Sternak S, **Meštrović T**, Ivković-Jureković I, Tešović G, Mlinarić-Galinović G, Lukšić I, Tabain I, Tot T, Mijač M, Vraneš J. High Detection Rates of Human Bocavirus in Infants and Small Children with Lower Respiratory Tract Infection from Croatia. Clinical Laboratory 2019; 65: doi: 10.7754/Clin.Lab.2018.18070.
47. **Meštrović T**, Profožić Z, Neuberger M, Kozina G, Savić I, Profožić V. Characteristics and Distribution of Penile Lesions in Croatian Men with Laboratory-Confirmed Low-Risk and High-Risk Human Papillomavirus (HPV) Infection. Clinical Laboratory 2017; 63: 971-981.
48. Profožić Z, **Meštrović T**, Savić I, Profožić V. Prevalence of HPV Infection in Croatian Men during a 12-year Period: a Comparative Study of External Genital and Urethral Swabs. Central European Journal of Public Health 2016; 24: 321-25.
49. **Meštrović T**. Psychosocial aspects of HIV infection. Journal of Medicine and Movies 2012; 3: 108-114.

### **III) PUBLICATIONS IN PARASITOLOGY**

50. Neuberger M, Banfić I, Cikač T, Ribić R, Zember S, Meštrović T. Knowledge, Attitudes, Psychosocial Perspectives and Applied Epidemiology in the Control of Head Lice (*pediculosis capitis*) in Croatian Preschool Children: A Qualitative Study on Childcare Professionals and Health Coordinators. Children 2022; 9: 66.
51. Sviben M, **Meštrović T**, Čičmak Smirnjak L. The value of systematic screening for *Trichinella* antibodies among individuals with eosinophilia in recognizing outbreak events: a seroprevalence study from Croatia. Annals of Parasitology 2019; 65: 177-189.
52. **Meštrović T**, Sviben M. New horizons in diagnosing and managing cardiac echinococcosis. Interactive CardioVascular and Thoracic Surgery 2018; 26: 359.
53. **Meštrović T**, Sviben M. Evidence-based diagnosis and treatment of intraaortic cystic echinococcosis. Interactive CardioVascular and Thoracic Surgery 2015; 21: 549-550.

54. Sviben M, Missoni EM, **Meštrović T**, Vojnović G, Galinović GM. *Epidemiology and laboratory characteristics of Trichomonas vaginalis infection in Croatian men with and without urethritis syndrome: a case-control study.* Sexually Transmitted Infections 2015; 9: 360-364.
55. Sviben M, **Meštrović T**, Nemer K, Bartulović KP, Skara R, Galinović GM. *Dirofilaria repens as a cause of subconjunctival infection in a 77-years old female patient from Croatia – a case report.* Collegium Antropologicum 2013; 37: 995-997.
56. **Meštrović T**, Sviben M, Vilibić-Čavlek T, Ljubin-Sternak S, Tabain I, Mlinarić-Galinović G. *Seroprevalence of Taenia solium infections in Croatian patients presenting with epilepsy.* Journal of Helminthology 2012; 86: 259-262.

#### **IV) PUBLICATIONS IN PUBLIC HEALTH AND INTERDISCIPLINARY AREAS**

57. Neuberg M, Pudmej Ešegović V, Križaj M, Cikač T, **Meštrović T**. *Abuse and neglect of older people in health facilities from the perspective of nursing professionals: A cross-sectional study from Croatia.* International Journal of Older People Nursing 2022; in press.
58. Dupont J, Chollier M, **Meštrović T**, Quayle E, Skrenes A, Dewaele A. *Towards a transnational sexual health research and policy agenda: The European Sexual Medicine Network Delphi study.* Sexuality Research and Social Policy 2022; doi: 10.1007/s13178-022-00686-y.
59. Dida GO, Lutta PO, Abuom PO, **Meštrović T**, Anyona DN. *Factors predisposing women and children to indoor air pollution in rural villages, Western Kenya.* Archives of Public Health 2022; 80: 46.
60. Sarabipour S, Khan A, Seah YFS, Mwakilili AD, Mumoki FN, Sáez PJ, Schwessinger B, Debat HJ, **Meštrović T**. *Changing scientific meetings for the better.* Nature Human Behaviour 2021; 5: 296-300.
61. Ljevak I, Vasilj I, Neuberg M, Tomić J, **Meštrović T**. *The Effect of Shift Work on the Overall Health Status of Hospital-Employed Nursing Staff in Bosnia and Herzegovina: A Cross-Sectional Study.* Psychiatria Danubina 2021; 33: 771-777.
62. Talapko J, Perić I, Vulić P, Pustijanac E, Jukić M, Bekić S, **Meštrović T**, Škrlec I. *Mental Health and Physical Activity in Health-Related University Students during the COVID-19 Pandemic.* Healthcare 2021; 9: 801.
63. Neuberg M, Kosir I, **Meštrović T**, Ribić R, Cikač T. *A cross-sectional study on social and emotional loneliness in older individuals from northern Croatia.* Acta Medica Croatica 2021; 75: 191-202.
64. Šubarić M, **Meštrović T**, Cikač T, Neuberg M. *The impact of hearing impairment on the development of health and cognitive difficulties in the elderly: a review of the literature and the proposed direction of public health action.* Acta Medica Croatica 2021; 75: 87-97.
65. Ljevak I, Vasilj I, Ćurlin M, Šaravanja N, **Meštrović T**, Šimić J, Neuberg M. *The Impact of Shift Work on Psychosocial Functioning and Quality of Life Among Hospital-Employed Nurses: A Cross-Sectional Comparative Study.* Psychiatria Danubina 2020; 32: 262-268.
66. Neuberg M, **Meštrović T**, Ribić R, Šubarić M, Canjuga I, Kozina G. *Contrasting Vantage Points between Caregivers and Residents on the Perception of Elder Abuse and Neglect During Long-Term Care.* Psychiatria Danubina 2019; 31 (Suppl 3): 345-353.
67. **Meštrović T**, Cevik M, Pinto TCA, Barać A, Servín-Garcidueñas LE, Ong DSY. *The Convergent Effect of International Collaboration between Young Leaders of Two Global Societies: Strengthening Microbiology Education and Training Practices Worldwide.* Journal of Microbiology & Biology Education 2019; 20(1): pii: 20.1.27.

68. Leskovar D, **Meštrović T**, Barešić A, Kraljević I, Panek M, Čipčić Paljetak H, Perić M, Matijašić M, Rogić D, Barišić A, Ljubas Kelečić D, Vranešić Bender D, Krznarić Ž, Verbanac D. *The Role of Vitamin D in Inflammatory Bowel Disease - Assessing Therapeutic and Preventive Potential of Supplementation and Food Fortification*. Food Technology and Biotechnology 2018; 56: 455-463.
69. Leskovar D, Kraljević I, Panek M ... **Meštrović T** ... Banić M, Krznarić Ž, Verbanac D. *Vitamin D in patients with irritable bowel syndrome – status and modulation factors*. MEDIX 2018; 132: 201-209.
70. Božić T, **Meštrović T**, Profozić Z, Profozić V. *The role of occupational medicine in assessing work limitation: A cross-sectional study on construction workers over a five-year period in Croatia*. Work 2017; 58: 439-446.
71. Neuberg M, Železnik D, **Meštrović T**, Ribić R, Kozina G. *Is the burnout syndrome associated with elder mistreatment in nursing homes: results of a cross-sectional study among nurses*. Archives of Industrial Hygiene and Toxicology 2017; 68: 190-197.
72. **Meštrović T**, Ožegić O. *Variations of interdigital flexion creases – inciting the curiosity of the researchers, professionals and the public*. International Journal of Anatomical Variations 2017; 10: 28-29.
73. **Meštrović T**. *Diagnostic and therapeutical considerations in post-lobectomy chronic pulmonary aspergillosis*. Interactive CardioVascular and Thoracic Surgery 2015; 21: 656.
74. **Meštrović T**, Ožegić O, Bujas I. *EEG cerebral dysrhythmia in non-epileptic individuals as an incentive for seeking online health consultation*. Journal of Postgraduate Medicine 2013; 59: 163-164.
75. **Meštrović T**, Ožegić O. *Single bilateral interdigital flexion crease of the fifth finger in a phenotypically normal male*. International Journal of Anatomical Variations 2012; 5: 113–115.
76. **Meštrović T**. *Domestic circumcision by guided forceps technique*. Journal of Medicine and Movies 2012; 8: 35-39.
77. Klinar I, Ožegić O, **Meštrović T**, Kolumbić-Lakoš A, Haralović I. *Kako se koristi portal PLIVAzdravlje.hr? (How do you use PLIVAzdravlje.hr Health Portal?)* Farmaceutski glasnik 2008; 64: 593-662.

#### **V) PUBLICATIONS WITH IHME (GBD/LBD AND OTHER PROJECTS)**

78. Naghavi M, Murray CJL, Ikuta KS, **Meštrović T**, Swetschinski L, Sartorius B. *Global burden of antimicrobial resistance: insight into the global puzzle and a call for more essential pieces*. Lancet 2022; in press.
79. Haakenstad A, Irvine CMS ... **Meštrović T** ... Murray CJL, Lozano R. *Measuring the availability of human resources for health and its relationship to universal health coverage for 204 countries and territories from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019*. Lancet 2022; May 23: S0140-6736(22)00532-3.
80. Sharma R, Abbasi-Kangevari M ... **Meštrović T** ... Zhang ZJ, Zoladl M. *Global, regional, and national burden of colorectal cancer and its risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019*. Lancet Gastroenterology & Hepatology 2022; Apr 7: S2468-1253(22)00044-9. doi: 10.1016/S2468-1253(22)00044-9 [Epub ahead of print].
81. Haagsma JA, Charalampous ... **Meštrović T** ... Polinder S, Majdan M. *The burden of injury in Central, Eastern, and Western European sub-region: a systematic analysis from the Global Burden of Disease 2019 Study*. Archives of Public Health 2022; 80: 142.

82. Castelpietra G, Knudsen AKS ... **Meštrović T** ... Allebeck P, Monasta L. *The burden of mental disorders, substance use disorders and self-harm among young people in Europe, 1990-2019: Findings from the Global Burden of Disease Study 2019.* Lancet Regional Health Europe 2022; 16: 100341.
83. Armocida B, Monasta L ... **Meštrović T** ... Perel P, Beran D. *Burden of non-communicable diseases among adolescents aged 10-24 years in the EU, 1990-2019: a systematic analysis of the Global Burden of Diseases Study 2019.* Lancet Child & Adolescent Health 2022; 6: 367-383.
84. Tyrovolas S, Stergachis A ... **Meštrović T** ... Kotsakis GA, Kassenbaum NJ. *Global, regional, and national burden of diseases and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 Study.* British Medical Journal (BMJ) 2022; 376: e068208.
85. Kocarnik JM, Compton ... **Meštrović T** ... Murray CJL, Force LM. *Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019: A Systematic Analysis for the Global Burden of Disease Study 2019.* JAMA Oncology 2022; 8: 420-444.
86. Alvarez EM, Force LM ... **Meštrović T** ... Bleyer A, Bhakta N. *The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019.* Lancet Oncology 2022; 23: 27-52.
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87. Ledesma JR, Ma J ... **Meštrović T** ... Murray CJL, Kyu HH. *Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990-2019: results from the Global Burden of Disease Study 2019.* Lancet Infectious Diseases 2022; 22: 222-241.
88. Safiri S, Kolahi AA ... **Meštrović T** ... Zhang ZJ, Nahgavi M. *Global, regional and national burden of bladder cancer and its attributable risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease study 2019.* BMJ Global Health 2021; 6: e004128.
89. Ward JL, Azzopardi PS ... **Meštrović T** ... Patton GC, Viner RM. *Global, regional, and national mortality among young people aged 10-24 years, 1950-2019: a systematic analysis for the Global Burden of Disease Study 2019.* Lancet 2021; 398: 1593-1618.
90. Jahagirdar D, Walters MK ... **Meštrović T** ... Murray CJL, Kyu HH. *Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990-2019, for 204 countries and territories: the Global Burden of Diseases Study 2019.* Lancet HIV 2021; 8: e633-e651.
91. Cork MA, Henry NJ ... **Meštrović T** ... Hay SI, Dwyer-Lindgren L. *Mapping subnational HIV mortality in six Latin American countries with incomplete vital registration systems.* BMC Medicine 2021; 19: 4.
92. Micah AE, Cogswell IE ... **Meštrović T** ... Murray CJL, Dieleman JL. *Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries and territories, 1990-2050.* Lancet 2021; 398: 1317-1343.
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93. Paulson KR, Kamath AM ... **Meštrović T** ... Wang H, Kassenbaum NJ. *Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019.* Lancet 2021; 398: 870-905.
94. Cromwell EA, Osborne JCP ... **Meštrović T** ... Hay SI, Pigott DM. *Predicting the environmental suitability for onchocerciasis in Africa as an aid to elimination planning.* PLoS Neglected Tropical Diseases 2021; 15: e0008824.
95. Galles NC, Liu PY ... **Meštrović T** ... Lim SS, Mosser JF. *Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1.* Lancet 2021; 398: 503-521.

96. Sartorius B, VanderHeide JD ... **Meštrović T** ... Hay SI, Dwyer-Lindren L. *Subnational mapping of HIV incidence and mortality among individuals aged 15-49 years in sub-Saharan Africa, 2000-18: a modelling study.* Lancet HIV 2021; 8: e363-e375.
97. Sbarra AN, Rolfe S ... **Meštrović T** ... Lim SS, Mosser JF. *Mapping routine measles vaccination in low- and middle-income countries.* Nature 2021; 589: 415-419.
98. Roth GA, Mensah GA ... **Meštrović T** ... Murray CJL, Fuster V. *Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study.* Journal of the American College of Cardiology 2020; 76: 2982-3021.
99. Murray CJL, Abbafati C ... **Meštrović T** ... Vos T, Lim SS. *Five insights from the Global Burden of Disease Study 2019.* Lancet 2020; 396: 1135-1159.
100. Murray CJL, Aravkin AY ... **Meštrović T** ... Afshin A, Lim SS. *Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019.* Lancet 2020; 396: 1223-1249.
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#### **CHAPTERS IN TEXTBOOKS, ENCYCLOPEDIAS AND RESEARCH MONOGRAPHS**

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**FIRST-AUTHORED ACTION BRIEFS FOR THE WORLD HEALTH ORGANIZATION (WHO)  
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2. **Meštrović T**. *From the First Vaccination Against Rabies in 1918 to the Rabies-Free Country Designation in 2021: A Centennial Story from Croatia*. Session - POM4: History of Microbiology. ASM Microbe 2022. American Society for Microbiology (ASM). Washington D.C., USA, June 2022.

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26. Neuberg M, **Meštrović T**, Ribić R, Canjuga I, Kozina G. *Theories and forms of violence against the elderly. Challenges and Problems of Modern Society* ('Izzivi in težave sodobne družbe'). Rakičan, Murska Sobota, Slovenia, July 2018.
27. **Meštrović T**, Sviben M, Ljubin-Sternak S, Bedenić B, Neuberg M, Kozina G. *Haemophilus influenzae as a single isolate in male patients with acute urethritis: a clinical and microbiological case series analysis*. In: Abstract Book of the 31st Congress of IUSTI-Europe on Sexually Transmitted Infections (IUSTI 2017); August 31 - September 2 2017; Helsinki, Finland: IUSTI, 2017. P-31, pp. 111.
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29. Krznarić Ž, Perić M, Čipčić Pateljak H, Matijašić M, Panek M, Barešić A, Vranešić Bender D, Kunović A, Čuković Čavka S, Brinar M, Turk N, Crnčević Urek M, Kalauz M, Kufner V, Brajša K, Ergović G, Kraljević I, Ljubas Kelečić D, Grgić D, Rogić D, Banić M, **Meštrović T**, Verbanac D. *Assessment of microbiota, inflammatory markers, nutritional and endocrinological status in IBD patients – Minute for IBD*. In: Abstract Book of the ESGE/ESPEN Symposium "Quality in Endoscopy IBD & Nutrition"; 2017 Mar 30-Apr 01; Dublin, Ireland.
30. **Meštrović T**, Profozić Z, Kozina G, Neuberg M, Savić I, Profozić V. *Of All Stripes and Colors: Characteristics and Distribution Pattern of Penile Lesions in Croatian Men Based on HPV Infection Status*. In: Abstract Book of the 31st International Papillomavirus Conference HPV 2017; February 28- March 4 2017; Cape Town, South Africa: IPVS; 2017. Abstract Number: HP17-0282 [Clinical Research: Penile, Vulvar and Vaginal Cancer and Its Precursors].
31. **Meštrović T**, Profozić Z, Savić I, Profozić V. *Human Papillomavirus Prevalence in Croatian Men over a 12-year Time Span: a Comparison of External Genital Brushings and Urethral Swabs*. In: Abstract Book of the 31st International Papillomavirus Conference HPV 2017; February 28 - March 4 2017; Cape Town, South Africa: IPVS; 2017. Abstract number: HPV17-0280 [Public Health / Epidemiology: Epidemiology: Natural History/Burden/Risk Factors].
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34. **Meštrović T.** *The appraisal of ASM recommended curriculum guidelines for undergraduate microbiology education.* The Abstract Book of the 6th Croatian Congress of Microbiology with International Participation, P1, Sveti Martin, Croatia, 2016; pp. 55.
35. **Meštrović T,** Matijašić M, Čipčić Pateljak H, Perić M, Panek M, Verbanac D. *A revised estimate and the influence of dietary polyphenols on the ratio of gut microbiota and cells in the human body.* In: Abstract Book of the First International Congress of the Croatian Society of Nutritionists and Dietitians - Nutricionizam&Dijetetika2016. Zagreb, 2016; pp. 52-53.
36. Uršulin-Trstenjak N, Kralj P, Neuberg M, **Meštrović T.** *The education from the public health perspective on the influence of antibiotics found in drug preparations and food on health.* In: Proceedings of the 6th Croatian Veterinary Congress with International Participation, (ed. Harapin I). Croatian Veterinary Chamber, Faculty of Veterinary Medicine, University of Zagreb; Opatija, Croatia, 2016; pp. 543-549.
37. **Meštrović T,** Neuberg M, Kozina G, Profozić Z. *High relative prevalence of low-risk/high-risk HPV co-infection in Croatian women older than 65 years of age and its public health implications.* 3rd Croatian Congress on Gerontology and Geriatrics with international participation. Liječnički vjesnik 138:1-168, Supplement 2 (ed. Anić B), Opatija, Croatia, 2016.
38. Bedenić B, Firis N, **Meštrović T,** Matanović K, Štimac I, Vraneš J. *Multidrug-resistant Proteus mirabilis in nursing homes.* ECCMID 2015, Copenhagen, Denmark. European Society of Clinical Microbiology and Infectious Diseases. EV0159.
39. **Meštrović T,** Wilson DJ. *The evolution of altruism in bacterial communities: from theory to experimental verification.* International Conference on Evolution and Behaviour 2014, Faculty of Humanities and Social Sciences, University of Zagreb, Zagreb, Croatia.
40. Ljubin-Sternak S, **Meštrović T,** Vilibić-Čavlek T, Sviben M, Mlinarić-Galinović G, Markotić A, Škerk V, Vraneš J. *In vitro susceptibility of Chlamydia trachomatis strains isolated from Croatian patients.* ECCMID 2014, Barcelona, Spain. European Society of Clinical Microbiology and Infectious Diseases. Abstract eP197.
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48. **Meštrović T**. *In vitro efficacy of levofloxacin against Chlamydia trachomatis strains*. Abstract Book, PhD Day, School of Medicine, University of Zagreb, Croatia, 2012; pp. 40.
49. Ožegić O, Maleković G, **Meštrović T**, Puljak L, Klinar I. *Physicians' attitudes about patient self-education using the internet and mutual communication by e-mail in the treatment process*. 2nd Croatian Congress on Prevention and Rehabilitation in Psychiatry with international participation, Zagreb, Croatia 2012. Medical school, University of Zagreb.
50. Sviben M, Čavlek Vilibić T, Sternak-Ljubin S, Mlinarić-Missoni E, **Meštrović T**, Mlinarić-Galinović G. *Seroprevalence of Toxocara canis infection among asymptomatic children with eosinophilia (P6)*. 9th Croatian Congress of Clinical Microbiology with international participation, Primošten, Croatia, 2011. Croatian Society for Clinical Microbiology.

### **LECTURES AND ORAL COMMUNICATIONS**

1. **Meštrović T**. *From the global burden estimation models to citizen-driven research and surveillance efforts: assembling a mixed toolbox for combating the overlooked pandemic of antimicrobial resistance*. Biotech Without Borders, Long Island City, New York, June 2022.
2. **Meštrović T**. *Bloodstream infections and sepsis from the lens of the global burden of antimicrobial resistance*. Fulbright Outreach Lecturing Fund (OLF). Borough of Manhattan Community College, The City University of New York (CUNY). New York. June, 2022.
3. Sviben M, **Meštrović T**. *Malaria – a parasitic disease that is still global and timely*. Infections in Travelers: Epidemiology, Clinical Presentation, Diagnostics, Treatment and Prevention – Postgraduate Course. Croatian Society of Clinical Microbiology, Croatian Institute for Public Health. Zagreb, Croatia, May 2022.
4. **Meštrović T**. *Towards environmental sustainability and equity in conferencing culture: evidence-based solutions for building greener and more inclusive global knowledge economy*. Fulbright Research Roundtable "Preparing for and Mitigating Climate Change". Fulbright Enrichment Seminar. Cleveland, Ohio, US, May 2022.
5. **Meštrović T**. *The most comprehensive view into the global burden of antimicrobial resistance and downstream implications for antimicrobial stewardship*. Fulbright Outreach Lecturing Fund (OLF). North Park University. Chicago. June, 2022.
6. Neuberg M, **Meštrović T**. *Mental health and work satisfaction of nursing professional involved in voluntary or involuntary overtime work: first results of a cross-sectional study*. Third congress of Health Chambers Coordination and fifth congress of medical law with international participation. Rovinj, Croatia, April 2022.
7. **Meštrović T**. *Epidemiology and public health significance of human papillomavirus (HPV) infections from the global lens*. International HPV Awareness Day 2022. University North, University Centre Varaždin. Varaždin, Croatia, March 2022.
8. **Meštrović T**. *Managing bacterial sexually transmitted infections in pregnant women and pediatric patients in the era of increasing antimicrobial resistance: is it time to revise the guidelines?* VII Semana Científica do PPGMPA/UFF, Universidade Federal Fluminense, Brazil, November 2021.

9. Debat H, **Meštrović T**, Sarabipour S. Lessons and Silver Linings in Research Dissemination: Should COVID-19 Provide a Push Toward Lasting Change? Society for Scholarly Publishing Annual Meeting 2021. Available at: <https://ondemand.sspnet.org/Title/5e0a501f-7eb9-428e-a9a1-bb2360102f53>
10. **Meštrović T**, Rhol D, Lal A. *Seeing is Believing: Using Mainstream News Articles to Increase Student Engagement and Perception in Introductory Microbiology Courses* (Microbrew Session). ASM Conference for Undergraduate Educators (ASMCUE), July 2021.
11. **Meštrović T**. *Fundamental and clinical specificities of human papillomavirus (HPV) and its public health importance in the context of sexual and reproductive health*. International HPV Awareness Day 2021. University North, University Centre Varaždin. Varaždin, Croatia, March 2021.
12. **Meštrović T**. *Global Burden of Disease Study: A data-driven comparative health assessment as a prerequisite for global health equity*. Data Natives Conference. November 2020.
13. **Meštrović T**. *Epidemiology and public health significance of human papillomavirus (HPV) in the context of sexual and reproductive health*. International HPV Awareness Day 2020. University North, University Centre Varaždin. Varaždin, Croatia, March 2020.
14. Neuberg M, Kolarić M, **Meštrović T**, Kozina G. *Adequate nutrition and regular screening efforts as key public health principles of colorectal cancer prevention*. 10th scientific conference with international participation "Knowledge as an element of competitive advantage in health and social care". Faculty of Health and Social Sciences Slovenj Gradec, Slovenia, May 2020.
15. Neuberg M, Zadavec L, Cikač T, **Meštrović T**. *The burnout syndrome – a pivotal challenge in nursing profession*. 10th scientific conference with international participation "Knowledge as an element of competitive advantage in health and social care". Faculty of Health and Social Sciences Slovenj Gradec, Slovenia, May 2020.
16. Cikač T, Neuberg M, Herak I, **Meštrović T**, Železnik D. *The influence of health literacy on self-care and autonomy in older individuals*. 10th scientific conference with international participation "Knowledge as an element of competitive advantage in health and social care". Faculty of Health and Social Sciences Slovenj Gradec, Slovenia, May 2020.
17. **Meštrović T**. *From PhD to career in science and higher education (panelist)*. 6th Conference "Future and Perspective" ("Budućnost i Perspektiva"). Biotechnology Department, University of Rijeka, Croatia, December 2019.
18. Neuberg M, **Meštrović T**, Kozina G. *How safe is our health care? 7th International Scientific Conference 'Challenges and Problems of Modern Society' ('Izzivi in težave sodobne družbe')*. Rakičan, Murska Sobota, Slovenia, July 2019.
19. **Meštrović T**. *Human papillomavirus (HPV) – pathophysiology, clinical specificities and public health significance*. International HPV Awareness Day 2019. University North, University Centre Varaždin. Varaždin, Croatia, March 2019.
20. **Meštrović T**. *Diagnosing, Treating and Preventing Urinary Tract Infections in the Elderly*. Croatian Chamber of Nurses – accredited continuing nursing education (CNE). University North, University Centre Varaždin. Varaždin, Croatia, October 2018.
21. **Meštrović T**. *An Outlook on Clinical Microbiology Laboratory Accreditation in Croatia*. 10th Canadian Quality Congress. Canadian Society for Quality (CSQ), Simon Fraser University. Vancouver, Canada, September 2018.
22. Neuberg M, **Meštrović T**, Ribić R, Canjuga I, Kozina G. *Theories and forms of violence against the elderly*. 6th International Scientific Conference 'Challenges and Problems of Modern Society' ('Izzivi in težave sodobne družbe'). Rakičan, Murska Sobota, Slovenia, July 2018.

23. **Meštrović T.** *Career Talk: Bridging Leadership Roles in Academic Research, Clinical Practice and Science Communication*. Session 464, Track POM02 (Career and Professional Development). In: Proceedings of the ASM Microbe 2018; 2018 Jun 7-11; Atlanta, Georgia, USA.
24. **Meštrović T.** *Diagnosing Urinary Tract Infections in the Elderly*. Causes of Infection in Long-term Care Facilities – Postgraduate Course. University Hospital Centre Zagreb, University of Zagreb School of Medicine. Zagreb, Croatia, May 2018.
25. **Meštrović T,** Ljubin-Sternak S, Sviben M, Neuberg M, Kozina G. *Rationale and optimal approach for antimicrobial resistance screening of Chlamydia trachomatis clinical isolates in countries with high antibiotic consumption rates: lessons from the first surveillance endeavour in Croatia*. 16th German Chlamydia Workshop 2018. Heinrich Heine Universität Düsseldorf, Düsseldorf, Germany, March 2018.
26. **Meštrović T.** *Biological, epidemiological and clinical characteristics of human papillomavirus (HPV) infection*. International HPV Awareness Day 2018. University North, University Centre Varaždin. Varaždin, Croatia, March 2018.
27. **Meštrović T.** *Sampling, assessment approaches and microbiological diagnostics of respiratory infections*. Epidemiology, clinical presentation, laboratory diagnostics, therapy and prevention of respiratory infections – Postgraduate Course. Croatian Society of Clinical Microbiology, Croatian Institute for Public Health. Zagreb, Croatia, February 2018.
28. **Meštrović T,** Wilson J, Sviben M. *Historical Lessons from Croatia's Unanticipated Malaria Eradication in 1954 - The Vanguard of European Antimalarial Efforts of an Era*. Session 117 - The Era of Eradication: New Ways to Diagnose and Treat Malaria (Supported Jointly by the Bill & Melinda Gates Foundation). ASM Microbe 2017. American Society for Microbiology (ASM). New Orleans, Louisiana, USA, June 2017.
29. **Meštrović T.** *Protruding and nonprotruding intraurethral condylomas – the quest for optimal therapeutic modality (Case Three: What to do with intraurethral condylomata)*. Interactive session: complex STI problems and local guidelines. IUSTI Advanced Course on Sexually Transmitted Infections 2017: Test and Treat (Advanced STI Masterclass). International Union Against Sexually Transmitted Infections (IUSTI). Helsinki, Finland, August 2017.
30. Neuberg M, Kozina G, **Meštrović T.** *Safety of elderly in health and social institutions – precondition for quality care*. Plenary session. 7th International Conference with International Participation on Holistic Approach to the Patient (Celostna obravnava pacienta). Faculty of Health Sciences Novo Mesto. Novo Mesto, Slovenia, November 2017.
31. Neuberg M, Kozina G, **Meštrović T.** *Professional burn-out syndrome in nurses involved in palliative patient care*. 2nd Symposium of Palliative Care with International Participation. Croatian Nurses Association. Našice, Croatia, October 2017.
32. **Meštrović T.** *Sampling and self-sampling approaches in the diagnostics of sexually transmitted infections*. Epidemiology, clinical presentation, laboratory diagnostics, therapy and prevention of sexually-transmitted infections – Postgraduate Course. Croatian Society of Clinical Microbiology, Croatian Institute for Public Health. Zagreb, Croatia, February 2017.
33. **Meštrović T.** *Free-living amoebae: Acanthamoeba, Balamuthia, Naegleria, Sappinia*. Blood and Tissue Parasites Postgraduate Workshop: Epidemiology, Clinical Presentation, Laboratory Diagnosis and Prophylaxis. Croatian Society of Clinical Microbiology, Croatian Institute for Public Health. Zagreb, Croatia, May 2016.
34. Neuberg M, Kozina G, **Meštrović T.** *The methodological approach to assessing the impact of risk factors on the neglect and abuse of elderly people in institutions*. 3rd Croatian Congress on Gerontology and Geriatrics with international participation. Croatian Medical Association, Croatian Society for Gerontology and Geriatrics. Opatija, Croatia, November 2016.

35. Sviben M, **Meštrović T.** *Echinococcus granulosus* infection in Croatia – epidemiology and diagnostic. EURO-FBP Working Group and Management Committee Meeting 2016 & EURO-FBP WG2 Meeting "Analytical methods for foodborne parasites in human and veterinary diagnostics and in food matrices" & 2nd CYSTINET Working Group and Management Committee Meeting 2016 & Joint EURO-FBP and CYSTINET Meeting. Ljubljana, Slovenia, September 2016.
36. Sviben M, **Meštrović T.** *Laboratory diagnosis of Toxoplasma gondii* infection in pregnant women and the newborn. 11th Croatian Congress of Clinical Microbiology and 8th Croatian Congress on Infectious Diseases - CROCMID 2016. Croatian Society of Clinical Microbiology and Croatian Society of Infectious Diseases of the Croatian Medical Association. Poreč, Croatia, October 2016.
37. Kozina G, Neuberg M, **Meštrović T.** *Analysis of the Republic of Croatia Health Care Development Plan 2015-2016.* 6th International Conference with International Participation on Holistic Approach to the Patient (Celostna obravnava pacienta). Faculty of Health Sciences Novo Mesto, Slovenia, November 2016.
38. **Meštrović T.** *Bacterial vaginosis and treatment options.* Chosen Topics in Gynaecology – Online Postgraduate Course. PLIVAMed.net, PLIVA Croatia Ltd. Zagreb. Croatia, February-June, 2016.
39. Sviben M, **Meštrović T.** *Trichomonas vaginalis* infection in men: epidemiology, clinical picture, laboratory diagnostics and therapy. Invited Lecture. St George's Hospital (University Hospitals – NHS Foundation), London, United Kingdom, July 2015.
40. Sviben M, **Meštrović T.** *Laboratory Diagnosis of Leishmaniasis.* 10th Croatian Congress of Clinical Microbiology and 7th Croatian Congress on Infectious Diseases - CROCMID 2013. Croatian Society of Clinical Microbiology and Croatian Society of Infectious Diseases of the Croatian Medical Association. Rovinj, Croatia, October 2013.