

AUTOR PRINCIPAL

1. **Bratu, M.L.**; Sandesc, D.; Anghel, T.; Dehelean, L.; Bondrescu, M.; Bratosin, F.; Tudor, R. Quality of Life Assessment Using the WHOQOL-BREF Survey in Hospitalized Patients with Alcohol Use Disorder from Romania. *Diseases* 2024, 12, 158. <https://doi.org/10.3390/diseases12070158>
2. **Lavinia Melania Bratu**, I. Marcovici, I. Macasoi, A. Manea, B. Niculescu, F. Olaru, A. Heghes, Cristina Dehelean, D. Coricovac, .In vitro insights regarding the role of melanin in melanoma cells' response to betulinic acid treatment, Jan-feb 2022, *Farmacia* 70 (1), pp.8-16
3. **Bratu, L.M.**, Rogobete, A.F., Sandesc, D. et al. The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn. *Biochem Genet* 54, 753–768 (2016). <https://doi.org/10.1007/s10528-016-9763-8>
4. Daniluc, R.-I.; Craina, M.; Thakur, B.R.; Prodan, M.; **Bratu, M.L.**; Daescu, A.-M.C.; Puenea, G.; Niculescu, B.; Negrean, R.A. Comparing Relationship Satisfaction and Body-Image-Related Quality of Life in Pregnant Women with Planned and Unplanned Pregnancies. *Diseases* 2024, 12, 109. <https://doi.org/10.3390/diseases12060109>, corresponding author
5. Madalina Boruga, Susa Septimiu-Radu, Prashant Sunil Nandarge, Ahmed Elagez, Gabriela Doros, Voichita Elena Lazureanu, Emil Robert Stoicescu, Elena Tanase, Roxana Iacob, Andreea Dumitrescu, Adrian Vasile Bota, Coralia Cotoraci and **Melania Lavinia Bratu**, Kidney Function Tests and Continuous eGFR Decrease at Six Months after SARS-CoV-2 Infection in Patients Clinically Diagnosed with Post-COVID Syndrome. *Biomedicines* 2024, 12, 950. <https://doi.org/10.3390/biomedicines12050950>
6. **Bratu ML**, Sandesc D, Anghel T, Tudor R, Shaaban L, Ali A, Toma AO, Bratosin F, Turcu I, Gantsa A, Fericean RM, Bondrescu M, Barata PI. Evaluating the Aspects of Quality of Life in Individuals with Substance Use Disorder: A Systematic Review Based on the WHOQOL Questionnaire. *J Multidiscip Healthc.* 2023;16:4265-4278, <https://doi.org/10.2147/JMDH.S440764>
7. **Lavinia M. Bratu**, Alexandru .F. Rogobete, Marius Papurica, Dorel Sandesc, Carmen A. Cradigati, Mirela Sarandan, Raluca Dumache, Sonia E. Popovici, Dan C. Crisan, Horia Stanca, Sonia Tanasescu, Ovidiu H. Bedreag Literature Research Regarding miRNAs' Expression in the Assessment and Evaluation of the Critically Ill Polytrauma Patient with Traumatic Brain and Spinal Cord Injury. 2016, *Clinical Laboratory* 62 (10), pp.2019-2024 DOI: 10.7754/Clin.Lab.2016.160327
8. Roșu, C.D.; **Bratu, M.L.***; Stoicescu, E.R.; Iacob, R.; Hațegan, O.A.; Ghenciu, L.A.; Bolintineanu, S.L. Cardiovascular Risk Factors as Independent Predictors of Diabetic Retinopathy in Type II Diabetes Mellitus: The Development of a Predictive Model. *Medicina* 2024, 60, 1617. <https://doi.org/10.3390/medicina60101617>, corresponding author
9. **Bratu, M.L.**; Sandesc, D.; Anghel, T.; Bratosin, F.; Vlad, S.V.; Terzi, A.; Streian, C.G. Evaluating Quality of Life Changes over 12 Months Among Opiate Users from Romania and Associated Worsening Factors. *Life* 2024, 14, 1336. <https://doi.org/10.3390/life14101336>
10. Stolojanu, C.; Doros, G.; **Bratu, M.L.**; Ciobanu, I.; Munteanu, K.; Iacob, E.R.; Ghenciu, L.A.; Stoicescu, E.R.; Dima, M. COVID-19 and Its Potential Impact on Children Born to Mothers Infected During Pregnancy: A Comprehensive Review. *Diagnostics* 2024, 14, 2443. <https://doi.org/10.3390/diagnostics14212443> corresponding author

COAUTOR

1. Stelian Adrian Ritiu 1,2,†, Alexandru Florin Rogobete 1,2,3,* , Dorel Sandesc 1,2,3, Ovidiu Horea Bedreag 1,2,3 , Marius Papurica 1,2,3, Sonia Elena Popovici 1,2 , Daiana Toma 1,2, Robert Iulian Ivascu 4,5, Raluca Velovan 1,2 , Dragos Nicolae Garofil 4,* , Dan Corneci 4,5,†, **Lavinia Melania Bratu** 2 , Elena Mihaela Pahontu 6 and Adriana Pistol 4 The Impact of General Anesthesia on Redox Stability and Epigenetic Inflammation Pathways: Crosstalk on Perioperative Antioxidant Therapy. *Cells* **2022**, 11, 1880. <https://doi.org/10.3390/cells11121880>
2. Tanase, A.; Manea, A.; Scurtu, A.D.; **Bratu, L.M.**; Chioran, D.; Dolghi, A.; Alexoi, I.; AAbed, H.; Lazureanu, V.; Dehelean, C.A. The “Invisible Enemy” SARS-CoV-2: Viral Spread and Drug Treatment. *Medicina* **2022**, 58, 261. <https://doi.org/10.3390/medicina58020261>
3. Secosan I, Virga D, Crainiceanu ZP, **Bratu LM** and Bratu T (2021) The Moderating Role of Personal Resources Between Demands and Ill-Being of Romanian Healthcare Professionals in the COVID-19 Pandemic. *Front. Public Health* 9:736099. doi: 10.3389/fpubh.2021.736099
4. Rogobete, A.F.; Bedreag, O.H.; Papurica, M.; Popovici, S.E.; **Bratu, L.M.**; Rata, A.; Barsac, C.R.; Maghiar, A.; Garofil, D.N.; Negrea, M.; et al. Multiparametric Monitoring of Hypnosis and Nociception-Antinociception Balance during General Anesthesia—A New Era in Patient Safety Standards and Healthcare Management. *Medicina* 2021, 57, 132. <https://doi.org/10.3390/medicina57020132>
5. Secosan, I.; Virga, D.; Crainiceanu, Z.P.; **Bratu, L.M.**; Bratu, T. Infodemia: Another Enemy for Romanian Frontline Healthcare Workers to Fight during the COVID-19 Outbreak. *Medicina* **2020**, 56, 679. <https://doi.org/10.3390/medicina56120679>
6. Dinu, Anca Raluca, Alexandru Florin Rogobete, Sonia Elena Popovici, Ovidiu Horea Bedreag, Marius Papurica, Corina Maria Dumbuleu, Raluca Ramona Velovan, Daiana Toma, Corina Maria Georgescu, Lavinia Ioana Trache Claudiu Barsac , Loredana Luca , Bettina Buzzi , Andra Maghiar, Mihai Alexandru Sandesc , Samir Rimawi , Madalin Marian Vaduva , **Lavinia Melania Bratu** , Paul Manuel Luminosu and Dorel Sandesc, and et al. 2020. "Impact of General Anesthesia Guided by State Entropy (SE) and Response Entropy (RE) on Perioperative Stability in Elective Laparoscopic Cholecystectomy Patients—A Prospective Observational Randomized Monocentric Study" *Entropy* 22, no. 3: 356. <https://doi.org/10.3390/e22030356>
7. Dinu, A.R.; Rogobete, A.F.; Bratu, T.; Popovici, S.E.; Bedreag, O.H.; Papurica, M.; **Bratu, L.M.**; Sandesc, D. Cannabis Sativa Revisited—Crosstalk between microRNA Expression, Inflammation, Oxidative Stress, and Endocannabinoid Response System in Critically Ill Patients with Sepsis. *Cells* 2020, 9, 307. <https://doi.org/10.3390/cells9020307>
8. Mihai Sandesc¹, Alexandru Florin Rogobete^{1,2*}, Ovidiu Horea Bedreag^{1,2}, Anca Dinu¹, Marius Papurica^{1,2}, Carmen Alina Cradigati³, Mirela Sarandan³, Sonia Elena Popovici¹, **Lavinia Melania Bratu**, Tiberiu Bratu¹, Adrian Tudor Stan¹, Dorel Sandesc. Analysis of oxidative stress-related markers in critically ill polytrauma patients: An observational prospective single-center study. *Biomol Biomed* [Internet]. 2018 May 20 [cited 2024 Aug. 15];18(2):191-7.
9. Alexandru Florin Rogobete, Dorel Sandesc, Marius Papurica, Emil Robert Stoicescu, Sonia Elena Popovici, **Lavinia Melania Bratu**, Corina Vernic, Adriana Mariana Sas, Adrian Tudor Stan, Ovidiu Horea Bedreag, The influence of metabolic imbalances and oxidative stress on the outcome of critically ill polytrauma patients: a review, *Burns & Trauma*, Volume 5, 2017, , <https://doi.org/10.1186/s41038-017-0073-0>

10. Briceag, R.; Caraiane, A.; Raftu, G.; **Bratu, M.L.**; Buzatu, R.; Dehelean, L.; Bondrescu, M.; Bratosin, F.; Bumbu, B.A. Validation of the Romanian Version of the Halitosis Associated Life-Quality Test (HALT) in a Cross-Sectional Study among Young Adults. *Healthcare* **2023**, *11*, 2660. <https://doi.org/10.3390/healthcare11192660>
11. Briceag, R.; Caraiane, A.; Raftu, G.; Horhat, R.M.; Bogdan, I.; Fericean, R.M.; Shaaban, L.; Popa, M.; Bumbu, B.A.; **Bratu, M.L.**; et al. Emotional and Social Impact of Halitosis on Adolescents and Young Adults: A Systematic Review. *Medicina* **2023**, *59*, 564. <https://doi.org/10.3390/medicina59030564>
12. Bogdan, I.; Citu, C.; Bratosin, F.; Malita, D.; Romosan, I.; Gurban, C.V.; Bota, A.V.; Turaiche, M.; **Bratu, M.L.**; Pilut, C.N.; et al. The Impact of Multiplex PCR in Diagnosing and Managing Bacterial Infections in COVID-19 Patients Self-Medicated with Antibiotics. *Antibiotics* **2022**, *11*, 437. <https://doi.org/10.3390/antibiotics11040437>
13. Cerbu, B.; Grigoras, M.L.; Bratosin, F.; Bogdan, I.; Citu, C.; Bota, A.V.; Timircan, M.; **Bratu, M.L.**; Levai, M.C.; Marincu, I. Laboratory Profile of COVID-19 Patients with Hepatitis C-Related Liver Cirrhosis. *J. Clin. Med.* **2022**, *11*, 652. <https://doi.org/10.3390/jcm11030652>
14. Marincu, I.; Citu, C.; Vidican, I.; Bratosin, F.; Mares, M.; Suci, O.; Frent, S.; Bota, A.V.; Timircan, M.; **Bratu, M.L.**; et al. Clinical Profile of 24 AIDS Patients with Cryptococcal Meningitis in the HAART Era: A Report from an Infectious Diseases Tertiary Hospital in Western Romania. *Diagnostics* **2022**, *12*, 54. <https://doi.org/10.3390/diagnostics12010054>
15. Mihaela V. Ivan, Alexandru F. Rogobete, Ovidiu H. Bedreag, Marius Papurica, Sonia E. Popovici, Anca Dinu, Mihai Sandesc, Andrei Beceanu, **Lavinia M. Bratu**, Calin M. Popoiu, Dorel Sandesc, Ovidiu Boruga, Lazar Fulger. New Molecular and Epigenetic Expressions as Novel Biomarkers in Critically Ill Polytrauma Patients with Acute Kidney Injury (AKI). 2018, *Clinical Laboratory* 64 (5) , pp.663-668 DOI: 10.7754/Clin.Lab.2018.171226
16. Mihai Sandesc, Anca Dinu, Alexandru F. Rogobete, Ovidiu H. Bedreag, Dorel Sandesc, Marius Papurica, **Lavinia M. Bratu**, Silviu Negoita, Corina Vernic, Sonia E. Popovici, Dan Corneci. Circulating microRNAs Expressions as Genetic Biomarkers in Pancreatic Cancer Patients Continuous Non-Invasive Monitoringby 2017, *Clinical Laboratory* 63 (10) , pp.1561-1566DOI: 10.7754/Clin.Lab.2017.170608
17. Ovidiu H. Bedreag, Marius Papurica, Alexandru F. Rogobete, Dorel Sandesc, Raluca Dumache, Carmen A. Cradigati, Mirela Sarandan, **Lavinia M. Bratu**, Sonia E. Popovici, Laurentiu V. Sima.Using Circulating miRNAs as Biomarkers for the Evaluation and Monitoring of the Mitochondrial Damage in the Critically Ill Polytrauma Patients 2016 , *Clinical Laboratory* 62 (8) , pp.1397-1403, DOI: 10.7754/Clin.Lab.2016.160121
18. Marius Papurica, Alexandru F. Rogobete, Carmen A. Cradigati, Mirela Sarandan, Raluca Dumache, **Lavinia M. Bratu**, Sonia E. Popovici, Dorel Sandesc, Corina Vernic, Ovidiu H. Bedreag .Using the Expression of miRNAs as Biomarkers for the Evaluation Acute Respiratory Distress Syndrome in the Critically Ill Polytrauma Patient 2016, *Clinical Laboratory*, 62 (8) , pp.1405-1411 DOI: 10.7754/Clin.Lab.2016.160138
19. Marius Papurica, Alexandru F. Rogobete, Dorel Sandesc, Carmen A. Cradigati, Mirela Sarandan, Raluca Dumache, Florin G. Horhat, **Lavinia M. Bratu**, Razvan Nitu, Dan C. Crisan, Delia I. Horhat, Elena S. Popovici, Sonia Tanasescu, Vlad Daliborca, Ovidiu Boruga, Ovidiu H. Bedreag Using the Expression of Damage-Associated Molecular Pattern (DAMP) for the Evaluation and Monitoring of the Critically Ill Polytrauma Patient. 2016, *Clinical Laboratory* 62 (10) , pp.1829-1840DOI: 10.7754/Clin.Lab.2016.160226
20. Ticlea, M., **Bratu, L.M.**, Bodog, F. et al. The Use of Exosomes as Biomarkers for Evaluating and Monitoring Critically Ill Polytrauma Patients with Sepsis. *Biochem Genet* **55**, 1–9 (2017). <https://doi.org/10.1007/s10528-016-9773-6>