

**ПЕРЕЛІК ПУБЛІКАЦІЙ ПРОФЕСОРСЬКО-ВИКЛАДАЦЬКОГО  
СКЛАДУ ТНМУ У SCOPUS.**

**2019 РІК**

1. Alfieri, C., Ruzhytska, O., Vettoretti, S., Caldiroli, L., Cozzolino, M. & Messa, P. 2019, "Native hypovitaminosis d in ckd patients: From experimental evidence to clinical practice", *Nutrients*, vol. 11, no. 8.
2. Andreychyn, M., Kopcha, V., Ishchuk, I. & Iosyk, I. 2019, "IMPORTED TROPICAL MALARIA (CASE REPORT)", *Georgian medical news*, , no. 294, pp. 109-113.
3. Aulin, V., Lyashuk, O., Pavlenko, O., Velykodnyi, D., Hryniv, A., Lysenko, S., Holub, D., Vovk, Y., Dzyura, V. & Sokol, M. 2019, "Realization of the logistic approach in the international cargo delivery system", *Communications - Scientific Letters of the University of Zilina*, vol. 21, no. 2, pp. 3-12.
4. Avdeev, A., Boykiv, A. & Drevnitskaya, R. 2019, "CHANGES IN THE INDICATORS OF LIPID PEROXIDAL OXIDATION AND ANTIOXIDANT SYSTEM IN THE SERUM OF THE BLOOD IN ANIMALS WITH EXPERIMENTAL PERIODONTITIS WITH CHANGED REACTIVITY", *Georgian medical news*, , no. 287, pp. 124-127.
5. Avdeev, O.V., Drevnitska, R.O., Boykiv, A.B. & Vydoynyk, O.Y. 2019, "Condition of fagocytosis of experimental animals with periodontitis due to modified reactivity", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 3, pp. 401-404.
6. Avrunin, O.G., Mustetsova, E., Zlepko, S.M., Zabolotna, N.I., Baranovskiy, D.M., Dyvak, A.M., Maciejewski, M. & Bazarbayeva, A. 2019, "Possibilities of apnea diagnostics by fuzzy logic methods", *Information Technology in Medical Diagnostics II - Proceedings of the International Scientific Internet Conference on Computer Graphics and Image Processing and 48th International Scientific and Practical Conference on Application of Lasers in Medicine and Biology, 2018*, pp. 39.
7. Babinets, L.S., Shaihen, O.R., Homyn, H.O. & Halabitska, I.M. 2019, "Specific aspects of clinical course in case of combination of chronic pancreatitis and concomitant viral hepatitis C", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 4, pp. 595-599.

8. Babinets, L.S., Shevchenko, N.A. & Tsybulska, L.S. 2019, "Problem of mineral insufficiency at chronic pancreatitis in dependence on age", *Voprosy pitaniia*, vol. 88, no. 2, pp. 58-63.

9. Babinets, L.S., Melnyk, N.A., Shevchenko, N.O., Migenko, B.O. & Zaets, T.A. 2019, "Kallikrein-kinin system disbalance in chronic pancreatis in combination with metabolic syndrome", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 11 cz 1, pp. 2113-2126.

10. Balitska, O.Y., Bondarenko, Y.I., Antonyshyn, I.V. & Habor, H.H. 2019, "Associations between proinflammatory cytokines and chronic generalized periodontitis in patients with type 2 diabetes mellitus", *Azerbaijan Medical Journal*, vol. 2019, no. 4, pp. 19-24.

11. Banadyha, N., Rogalskyy, I. & Komorovsky, R. 2019, "A case of diagnosis of Lyme disease in the absence of a tick bite", *Pediatrics and Neonatology*.

12. Bandrivsky, Y., Bandrivska, O., Gnid, R., Minko, L. & Shevchuk, M. 2019, "Indicators of markers of bone metabolism in patients with generalized periodontitis depending on blood group", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 72-77.

13. Benedykt, V. & Korobko, L. 2019, "ACUTE SMALL BOWEL OBSTRUCTION. SOME ASPECTS OF CONSERVATIVE TREATMENT", *Georgian medical news*, , no. 288, pp. 7-11.

14. Berezsky, O., Dubchak, L., Batryn, N., Datsko, T., Berezska, K., Pitsun, O. & Batko, Y. 2019, "Fuzzy system for breast disease diagnosing based on image analysis", *CEUR Workshop Proceedings*, pp. 69.

15. Boichuk, A.V., Yakymchuk, Y.B., Koptyukh, V.I. & Khlibovska, O.I. 2019, "Some aspects of drug treatment of ectopic pregnancy", *Reproductive Endocrinology*, vol. 2019, no. 49, pp. 54-57.

16. Boiko, I., Golparian, D., Krynytska, I., Bezkorovaina, H., Frankenberg, A., Onuchyna, M., Jacobsson, S. & Unemo, M. 2019, "Antimicrobial susceptibility of Neisseria gonorrhoeae isolates and treatment of gonorrhoea patients in Ternopil and Dnipropetrovsk regions of Ukraine, 2013–2018", *APMIS*, vol. 127, no. 7, pp. 503-509.

17. Boiko, I., Golparian, D., Krynytska, I. & Unemo, M. 2019, "High prevalence of Chlamydia trachomatis, Neisseria gonorrhoeae and particularly

*Trichomonas vaginalis* diagnosed using US FDA-approved Aptima molecular tests and evaluation of conventional routine diagnostic tests in Ternopil, Ukraine", *APMIS*, vol. 127, no. 9, pp. 627-634.

18. Boiko, V.I., Boychuk, A.V., Nikitina, I.M., Babar, T.V., Boiko, A.V. & Bolotna, M.A. 2019, "Basic clinical and pathogenetic aspects of developing the complications during multiple pregnancies", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 1, pp. 52-55.

19.

20. Boyarchuk, O., Balatska, N. & Chornomydz, I. 2019, "Evaluation of warning signs of primary immunodeficiencies", *Pediatrics polska*, vol. 94, no. 6, pp. 337-341.

21. Boyarchuk, O., Chornomydz, A. & Chornomydz, I. 2019, "Features of the community-acquired pneumonia in a child with Kasabach-Merritt syndrome: Case-report and mini-review", *Archives of the Balkan Medical Union*, vol. 54, no. 2, pp. 384-390.

22. Boyarchuk, O. & Dmytrash, L. 2019, "Clinical manifestations in the patients with primary immunodeficiencies: Data from one regional center", *Turkish Journal of Immunology*, vol. 7, no. 3, pp. 113-119.

23. Boyarchuk, O., Hariyan, T. & Kovalchuk, T. 2019, "Clinical features of rheumatic heart disease in children and adults in Western Ukraine", *Bangladesh Journal of Medical Science*, vol. 18, no. 1, pp. 87-93.

24. Boyarchuk, O., Kinash, M., Hariyan, T. & Bakalyuk, T. 2019, "Evaluation of knowledge about primary immunodeficiencies among postgraduate medical students", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 130-138.

25. Boyarchuk, O., Volokha, A., Hariyan, T., Kinash, M., Volyanska, L., Birchenko, I., Habor, H. & Korda, M. 2019, "The impact of combining educational program with the improving of infrastructure to diagnose on early detection of primary immunodeficiencies in children", *Immunologic research*, vol. 67, no. 4-5, pp. 390-397.

26. Boyarchuk, O.R., Dobrovolska, L.I., Kinash, M.L., Shulhai, O.M., Hlushko, K.T. & Horishnyi, I.M. 2019, "Survey assesment of Vitamin D and calcium dietary intake in children with somatic pathology", *Voprosy pitaniia*, vol. 88, no. 5, pp. 53-62.

27. Csanádi, M., Inotai, A., Oleshchuk, O., Lebega, O., Alexandra, B., Piniashko, O., Németh, B. & Kaló, Z. 2019, "Health Technology Assessment Implementation in Ukraine: Current Status and Future Perspectives", *International Journal of Technology Assessment in Health Care*, vol. 35, no. 5, pp. 393-400.
28. Dankevych-Kharchyshyn, I.S., Vynogradova, O.M., Malko, N.V., Gnid, R.M., Skalat, A.P., Minko, L.Y., Mrochko, O.I., Bandrivsky, Y.L. & Bandrivska, O.O. 2019, "Periodontal diseases and atherosclerosis (literature review)", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 3, pp. 462-465.
29. Demchuk, M., Chubka, M. & Grochovuy, T. 2019, "The method of random balance for studying the influence of excipients' quantities on technological parameters of metformin orodispersible tablets", *International Journal of Applied Pharmaceutics*, vol. 11, no. 3, pp. 168-175.
30. Demkovich, A. 2019, "Effects of flavonol quercetin on activity of lipid peroxide oxidation in experimental bacterial-immune periodontitis", *Interventional Medicine and Applied Science*, vol. 11, no. 1, pp. 55-59.
31. Demkovich, A., Bondarenko, Y. & Hasiuk, P. 2019, "Effects of quercetin on antioxidant potential in the experimental periodontitis development", *Interventional Medicine and Applied Science*, vol. 11, no. 1, pp. 60-64.
32. Diachenko, A.V., Morgunov, B.P., Melnyk, T.P., Kravchenko, O.I. & Zubchenko, L.V. 2019, "The use of innovative pedagogical technologies for automation of the specialists' professional training", *International Journal of Higher Education*, vol. 8, no. 6, pp. 288-295.
33. Drapak, I., Zimenkovsky, B., Perekhoda, L., Kovalenko, S. & Logoyda, L. 2019, "Development and validation of LC-MS/MS method for estimation of urocarb in human plasma", *International Journal of Applied Pharmaceutics*, vol. 11, no. 5, pp. 125-130.
34. Drapak, I., Zimenkovsky, B., Perekhoda, L., Kovalenko, S. & Logoyda, L. 2019, "LC-MS/MS method development and validation for the determination of cardiazol in human plasma", *International Journal of Applied Pharmaceutics*, vol. 11, no. 4, pp. 380-385.
35. Dyvak, A., Shidlovsky, V., Lazarchuk, T., Bohaichuk, V., Bohaichuk, L. & Mochulska, O. 2019, "Parameters of the Electrophysiological Method of Surgical Wound Tissues Stimulation in the software and Technical System of the Recurrent

Laryngeal Nerve Identification", 2019 9th International Conference on Advanced Computer Information Technologies, ACIT 2019 - Proceedings, pp. 303.

36. Falfushynska, H., Gnatyshyna, L., Horyn, O., Shulgai, A. & Stoliar, O. 2019, "A calcium channel blocker nifedipine distorts the effects of nano-zinc oxide on metal metabolism in the marsh frog *Pelophylax ridibundus*", *Saudi Journal of Biological Sciences*, vol. 26, no. 3, pp. 481-489.

37. Falfushynska, H.I., Gnatyshyna, L.L., Ivanina, A.V., Khoma, V.V., Stoliar, O.B. & Sokolova, I.M. 2019, "Bioenergetic responses of freshwater mussels *Unio tumidus* to the combined effects of nano-ZnO and temperature regime", *Science of the Total Environment*, vol. 650, pp. 1440-1450.

38. Falfushynska, H.I., Horyn, O.I., Gnatyshyna, L.L., Buyak, B.B., Rusnak, N.I., Fedoruk, O.O. & Stoliar, O.B. 2019, "Carassius auratus as a novel model for the hyperglycemia study", *Ukrainian Biochemical Journal*, vol. 91, no. 4, pp. 58-69.

39. Falfushynska, H.I., Horyn, O.I., Poznansky, D.V., Osadchuk, D.V., Savchyn, T.O., Krytskyi, T.I., Merva, L.S. & Hrabra, S.Z. 2019, "Oxidative stress and thiols depletion impair tibia fracture healing in young men with type 2 diabetes", *Ukrainian Biochemical Journal*, vol. 91, no. 6, pp. 67-78.

40. Fedoniuk, L.Y., Podobivskyi, S.S., Kamyshnyi, A.M., Saturdayska, A., Khavtur, V.O., Marchuk, O., Zahrychuk, O., Furka, O. & Cherniashova, V.M. 2019, "Morphological and physiological, biological and epidemiological features of acariana of the genus ixodes (latreille, 1795) - human ectoparasites in biogeocenoses of ternopil region", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 2, pp. 224-228.

41. Fefelov, A.O., Lytvynenko, V.I., Lurie, I.A., Osypenko, V.V., Melnychuk, I.M., Wójcik, W. & Kalimoldayeva, S. 2019, "Mutation schemes of the hybrid clonal selection algorithm for the reconstruction of gene regulatory networks", *Information Technology in Medical Diagnostics II - Proceedings of the International Scientific Internet Conference on Computer Graphics and Image Processing and 48th International Scientific and Practical Conference on Application of Lasers in Medicine and Biology, 2018*, pp. 245.

42. Gevkaliuk, N.O., Sydliaruk, N.I., Posolenyk, L.Y., Vydoinyk, O.Y. & Kuchyrka, L.I. 2019, "The state of oxidative homeostasis in children with influenza stomatitis", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 3, pp. 405-408.

43. Gnatyshyna, L., Falfushynska, H., Horyn, O., Khoma, V., Martinyuk, V., Mishchuk, O., Mishchuk, N. & Stoliar, O. 2019, "Biochemical responses of freshwater mussel *Unio tumidus* to titanium oxide nanoparticles, Bisphenol A, and their combination", *Ecotoxicology*, vol. 28, no. 8, pp. 923-937.
44. Guzyk, M.M., Tykhonenko, T.M., Dyakun, K.O., Yanitska, L.V., Pryvrotska, I.B. & Kuchmerovska, T.M. 2019, "Altered sirtuins 1 and 2 expression in the brain of rats induced by experimental diabetes and the ways of its correction", *Ukrainian Biochemical Journal*, vol. 91, no. 1, pp. 21-29.
45. Herasymiuk, I., Vatsyk, M. & Herasymiuk, M. 2019, "PECULIARITIES OF STRUCTURAL CHANGES IN RAT LUNGS IN APPLICATION OF DIFFERENT METHODS OF REHYDRATION AFTER GENERAL DEHYDRATION", *Georgian medical news*, , no. 286, pp. 106-111.
46. Hrebenyk, M., Komorovsky, R. & Bidovanets, T. 2019, "Primary hyperaldosteronism presenting as recurrent polymorphic ventricular tachycardia (RCDD code: VI-2)", *Journal of Rare Cardiovascular Diseases*, vol. 4, no. 1, pp. 26-30.
47. Hudz, N., Yezerska, O., Shanaida, M., Sedláčková, V.H. & Wieczorek, P.P. 2019, "Application of the Folin-Ciocalteu method to the evaluation of *Salvia sclarea* extracts", *Pharmacia*, vol. 66, no. 4, pp. 209-215.
48. Humenna, I.Y., Heryak, S.N. & Dobryanska, V.Y. 2019, "Rational control of arterial pressure during labor in women with arterial hypertension", *Ginekologia polska*, vol. 90, no. 4, pp. 206-211.
49. Khaustova, O. & Smashna, O. 2019, "Diagnostic approaches to verification of the mild traumatic brain injury in patients with posttraumatic stress disorder", *Psychiatry, Psychotherapy and Clinical Psychology*, vol. 10, no. 3, pp. 408-416.
50. Kinash, M.I., Boyarchuk, O.R., Hariyan, T.V. & Dobrovolska, L.I. 2019, "Issues of improving knowledge about primary immunodeficiencies", *Voprosy Prakticheskoi Pediatrii*, vol. 14, no. 6, pp. 55-62.
51. Kochan, O., Przystupa, K., Shulhai, A., Pohrebennyk, V., Su, J. & Koziel, J. 2019, "Ad-hoc temperature measurements using a thermistor", 2019

52. Kohut, I. & Galnykina, S. 2019, "The efficacy of topical camphorated oil in long-term care of residents with incontinence-associated dermatitis", *Przegląd Dermatologiczny*, vol. 106, no. 6, pp. 683-686.

53. Komorovsky, R.R., Boyarchuk, O.R. & Synytska, V.O. 2019, "Streptococcus gordonii-associated infective endocarditis in a girl with Barlow's mitral valve disease", *Cardiology in the young*, vol. 29, no. 8, pp. 1099-1100.

54. Krynytska, I., Marushchak, M., Holovatiuk, L., Shkrobot, L., Sokhor, N. & Stepas, J. 2019, "Features of leukocytes' apoptosis and emoxypine succinate efficacy in case of combined trauma of the chest and both thighs in rats", *Bangladesh Journal of Medical Science*, vol. 18, no. 2, pp. 244-251.

55. Krynytska, I., Marushchak, M., Naumova, L. & Mazur, L. 2019, "The toxic impact of monosodium glutamate in rats", *Jordan Medical Journal*, vol. 53, no. 2, pp. 91-101.

56. Krynytska, I., Marushchak, M., Odnorih, L. & Savchenko, I. 2019, "The indices of endogenous intoxication in rats with different models of hepatopulmonary syndrome", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 38-44.

57. Krynytska, I., Marushchak, M. & Rutska, A. 2019, "Gender-Specific Differences of Oxidative Processes in the Population of Circulating Neutrophils of Rats in a Setting of Prolonged Administration of Monosodium Glutamate", *Romanian Journal of Diabetes, Nutrition and Metabolic Diseases*, vol. 26, no. 2, pp. 119-127.

58. Krynytska, I.Y., Stravskyy, T.Y., Zyma, I.Y. & Marushchak, M.I. 2019, "The indices of gas composition, acid-base balance and electrolyte profile of arterial blood in experimental hepatopulmonary syndrome", *Azerbaijan Medical Journal*, vol. 2019, no. 4, pp. 116-123.

59. Krytskyy, T. & Pasyechko, N. 2019, "CORRECTION OF ANDROGEN DEFICIENCY IN MEN WITH HYPOTHYROIDISM", *Georgian medical news*, , no. 286, pp. 77-82.

60. Kuchmerovska, T.M., Dyakun, K.O., Guzyk, M.M., Yanytska, L.V. & Pryvrotska, I.B. 2019, "Effects of a Combined Mitochondria-Targeted Treatment on

the State of Mitochondria and Synaptic Membranes from the Brains of Diabetic Rats", *Neurophysiology*, .

61. Kuzniak, N., Protsak, T., Marchuk, O., Fedoniuk, L., Kamyshnyi, A., Penteleichuk, N., Stoliar, D. & Dmytrenko, R. 2019, "Histotopography of the oviducts in fetus", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 8, pp. 1481-1485.

62. Kuzniak, N.B., Dmytrenko, R.R., Fedoniuk, L.Y., Boitsaniuk, S.I., Kuzniak, L.V., Yavorskyi, A.V. & Tkachyk, S.V. 2019, "DEVELOPMENT OF THE INNER NASAL CAVITY IN ANIMALS IN PHYLO- AND ONTOGENESIS: FUNCTIONAL ANATOMIC SIGNIFICANCE IN THE DEVELOPMENT PERIOD ROZWÓJ WEWNĘTRZNEJ JAMY NOSOWEJ U ZWIERZĄT W FILO- I ONTOGENEZIE: CZYNNOSCIOWE I ANATOMICZNE ZNACZENIE W OKRESIE ROZWOJOWYM", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 3, pp. 432-435.

63. Logoyda, L. 2019, "Analysis of approaches to the development and validation of the methods of analysis of some active pharmaceutical ingredients from the group of angiotensin converting enzyme inhibitors in drugs and biological liquids", *International Journal of Applied Pharmaceutics*, vol. 11, no. 4, pp. 1-7.

64. Logoyda, L. 2019, "Analysis of approaches to the development and validation of the methods of analysis of some active pharmaceutical ingredients from the group of calcium channel blockers in drugs and biological liquids", *International Journal of Applied Pharmaceutics*, vol. 11, no. 3, pp. 26-34.

65. Logoyda, L. 2019, "Efficient validated method of hplc to determine enalapril in combined dosage form containing enalapril and bisoprolol and in vitro dissolution studies", *International Journal of Applied Pharmaceutics*, vol. 11, no. 4, pp. 19-24.

66. Logoyda, L., Kovalenko, S., Abdel-Megied, A.M., Zhulkevych, I., Drapak, I., Demchuk, I. & Netsyuk, O. 2019, "HPLC method development for the analysis of bisoprolol in combined dosage form containing bisoprolol and enalapril and in vitro dissolution studied", *International Journal of Applied Pharmaceutics*, vol. 11, no. 3, pp. 186-194.

67. Loi, H., Boal, F., Tronchere, H., Cinato, M., Kramar, S., Oleshchuk, O., Korda, M. & Kunduzova, O. 2019, "Metformin protects the heart against



hypertrophic and apoptotic remodeling after myocardial infarction", *Frontiers in Pharmacology*, vol. 10, no. FEB.

68. Lytvynenko, I., Horkunenko, A., Kuchvara, O. & Palaniza, Y. 2019, "Methods of processing cyclic signals in automated cardiodiagnostic complexes", *CEUR Workshop Proceedings*, pp. 116.

69. Lyubovich, O., Marushchak, M., Krynytska, I., Habor, H. & Klishch, I. 2019, "PECULIARITIES OF IMMUNE PROFILE IN BLOOD OF RATS IN THE DYNAMICS OF IMMOBILIZATION STRESS ON THE BACKGROUND OF HYPOTHYROIDISM", *Georgian medical news*, , no. 287, pp. 114-118.

70. Maksymyuk, V.V., Sheremet, M.I., Tarabanchuk, V.V., Shidlovskiy, O.V., Brodovskiy, S.P., Zhulkevych, I.V., Gyrla, Y.V., Tkachuk, N.P., Bilookiy, O.V., Gresko, M.M., Gresko, M.D. & Holiar, O.I. 2019, "Pathogenetic features of lipid and protein peroxide oxidation due to experimental acute necrotizing pancreatitis", *Archives of the Balkan Medical Union*, vol. 54, no. 2, pp. 235-244.

71. Malezhyk, M.P., Pidhurs'kyi, M.I., Rudyak, Y.A., Fedyshyn, N.O., Pidhurs'kyi, I.M. & Voitovych, L.V. 2019, "Investigation of the Fracture of an Orthotropic Plate with Circular Hole and Two Edge Cracks Under Pulsed Loading by the Method of Dynamic Photoelasticity", *Materials Science*, vol. 55, no. 2, pp. 254-258.

72. Marchenkova, N.O., Riabokon, S.S. & Riabokon, M.O. 2019, "The main mistakes in sonographic examination of hip joints in infants under one year of age", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 10, pp. 1953-1956.

73. Martsenyuk, V., Babinets, L., Dronyak, Y., Paslay, O., Veselska, O., Warwas, K., Andrushchak, I. & Klos-Witkowska, A. 2019, "On development of machine learning models with aim of medical differential diagnostics of the comorbid states", *Proceedings of the 2019 10th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2019*, pp. 313.

74. Martsenyuk, V., Horkunenko, A., Shangytbayeva, G. & Sawicki, P. 2019, "Analysis of biosignals using a model of cyclic rhythmically related random processes", *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, pp. 535.

75. Martsenyuk, V., Hroshovyi, T., Trygubchak, O. & Klos-Witkowska, A. 2019, *On machine learning approach for the design of pharmaceutical technology of tablets: acetyl salicylic acid with atorvastatin*.
76. Martsenyuk, V., Mayhruk, Z., Karpinski, M., Milian, N., Andrushchak, I. & Veselskawe, O. 2019, "On implementation of decision tree induction in cloud platforms", *2019 Advances in Science and Engineering Technology International Conferences, ASET 2019*.
77. Martsenyuk, V., Povoroznyuk, V., Semenets, A. & Martynyuk, L. 2019, *On an approach of the solution of machine learning problems integrated with data from the open-source system of electronic medical records: Application for fractures prediction*.
78. Martsenyuk, V. & Semenets, A. 2019, *On Code Refactoring for Decision Making Component Combined with the Open-Source Medical Information System*.
79. Martsenyuk, V., Sverstiuk, A. & Gvozdetska, I.S. 2019, "Using Differential Equations with Time Delay on a Hexagonal Lattice for Modeling Immunosensors", *Cybernetics and Systems Analysis*, vol. 55, no. 4, pp. 625-637.
80. Martsenyuk, V., Sverstiuk, A., Klos-Witkowska, A., Horkunenko, A. & Rajba, S. 2019, "Vector of diagnostic features in the form of decomposition coefficients of statistical estimates using a cyclic random process model of cardiosignal", *Proceedings of the 2019 10th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2019*, pp. 298.
81. Marushchak, M., Krynytska, I., Fedechko, M., Sukhovolets, I. & Sydorenko, O. 2019, "Effects of the therapy combining calcium and vitamin D3 supplement with calcitonin on bone tissue density in patients with coronary heart disease complicated with chronic heart failure", *Polski Merkurusz Lekarski*, vol. 47, no. 280, pp. 128-133.
82. Marushchak, M., Maksiv, K. & Krynytska, I. 2019, "ACE gene I/D polymorphism and arterial hypertension in patients with COPD", *Pneumologia*, vol. 68, no. 3, pp. 114-119.
83. Marushchak, M., Maksiv, K. & Krynytska, I. 2019, "The specific features of free radical oxidation in patients with chronic obstructive pulmonary

disease and arterial hypertension", *Polski Mercuriusz Lekarski*, vol. 47, no. 279, pp. 95-98.

84. Marushchak, M., Maksiv, K., Krynytska, I., Dutchak, O. & Behosh, N. 2019, "The Severity of Oxidative Stress in Comorbid Chronic Obstructive Pulmonary Disease (COPD) and Hypertension: Does it Depend On ACE and AGT Gene Polymorphisms?", *Journal of medicine and life*, vol. 12, no. 4, pp. 426-434.

85. Marushchak, M., Maksiv, K., Krynytska, I. & Kozak, K. 2019, "Association between arterial hypertension and chronic obstructive pulmonary disease: Role of AGT gene polymorphism", *Pneumologia*, vol. 68, no. 4, pp. 174-182.

86. Marushchak, M., Maksiv, K., Krynytska, I. & Stechyshyn, I. 2019, "Glutathione antioxidant system of lymphocytes in the blood of patients in a setting of concomitant chronic obstructive pulmonary disease and arterial hypertension", *Polski Mercuriusz Lekarski*, vol. 47, no. 281, pp. 177-182.

87. Marushchak, M.I., Lisnyanska, N.V. & Krynytska, I.Y. 2019, "The features of oxidative processes in the wall of small intestine in rats with chronic enterocolitis combined with experimental diabetes", *Azerbaijan Medical Journal*, vol. 2019, no. 1, pp. 102-106.

88. Mozolev, O., Bloschynskyi, I., Aliksieiev, O., Romanyshyna, L., Zdanevych, L., Melnychuk, I., Prontenko, K. & Prontenko, V. 2019, "Influence of modern fitness technologies on the state of health and development of motor abilities of 17-19-year-old female students", *Journal of Physical Education and Sport*, vol. 19, pp. 917-924.

89. Mykytyuk, Z., Barylo, G., Virt, V., Vistak, M., Diskovskyi, I. & Rudyak, Y. 2019, "Optoelectronic Sensor Based on Liquid Crystal Substances for the Monitoring of Amino Acids", *2018 International Scientific-Practical Conference on Problems of Infocommunications Science and Technology, PIC S and T 2018 - Proceedings*, pp. 177.

90. Nadiya, P., Lyudmyla, N., Ivan, P., Taras, K. & Alla, K. 2019, "Clinical case of carpenter syndrome (Autoimmune-polygundularsyndrome 2) in the practice of an endocrinologist", *Bangladesh Journal of Medical Science*, vol. 18, no. 3, pp. 646-650.

91. Ogonovsky, R., Nagirnyi, Y., Melnychuk, Y., Levandovsky, R. & Nakashidze, G. 2019, "ASSESSMENT OF COMBINED PROPHYLAXIS OF PATHOLOGICAL POSTOPERATIVE FACE SKIN SCARS ACCORDING TO THE VANCOUVER SCALE", *Georgian medical news*, , no. 287, pp. 35-39.
92. Oleshchuk, O., Ivankiv, Y., Falfushynska, H., Mudra, A. & Lisnychuk, N. 2019, "Hepatoprotective effect of melatonin in toxic liver injury in rats", *Medicina (Lithuania)*, vol. 55, no. 6.
93. Oleszek, M., Pecio, Ł., Kozachok, S., Lachowska-Filipiuk, Ż., Oszust, K. & Frać, M. 2019, "Phytochemicals of apple pomace as prospect bio-fungicide agents against mycotoxigenic fungal species—in vitro experiments", *Toxins*, vol. 11, no. 6.
94. Pasyechko, N., Naumova, L., Krytskyi, T. & Kulchinska, V. 2019, "SUCCESSFUL TREATMENT OF A PROLACTINOMA (CASE REPORT)", *Georgian medical news*, , no. 287, pp. 26-29.
95. Pavlyshyn, H., Horishna, I. & Slyva, V. 2019, "Tetanus in a child as a result of the vaccination schedule violation - A case report", *Paediatrica Croatica*, vol. 63, no. 1, pp. 32-37.
96. Pavlyshyn, H. & Kozak, K. 2019, "The role of multiple regression analysis in prediction of insulin resistance in overweight and obese children", *Archives of the Balkan Medical Union*, vol. 54, no. 3, pp. 514-521.
97. Petrashyk, Y., Terenda, N., Saturdayska, H., Panchyshyn, N., Lytvynova, O., Lishtaba, L., Slobodian, N. & Ndihihdah, K. 2019, "AVAILABILITY AND UTILIZATION OF HEALTHCARE RESOURCES IN UKRAINE AND SOME OTHER COUNTRIES", *Georgian medical news*, , no. 286, pp. 145-149.
98. Piatnochka, V.I. 2019, "Outcomes of surgical treatment of obese patients with ventral and incisional hernias", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 104-109.
99. Pidgurskyi, M., Rudyak, Y. & Pidgurskyi, I. 2019, *Research and modeling of stress-strain state and fracture strength of triplexes at temperatures 293–213 K*.
100. Pidruchna, S.R., Melnyk, N.A., Mochulska, O., Horishniy, I.M. & Sheremet, M.I. 2019, "Dynamics of indicators of cellular immunity in conditions of

acute generalized peritonitis in rats", *Biointerface Research in Applied Chemistry*, vol. 9, no. 6, pp. 4663-4666.

101. Poberezhny, L., Hrytsanchuk, A., Okipnyi, I., Poberezhna, L., Stanetsky, A. & Fedchyshyn, N. 2019, "Minimizing losses during natural gas transportation", *Strojnický Casopis*, vol. 69, no. 1, pp. 97-108.

102. Pylypchuk, T., Delibashvili, D., Usynskyi, R., Kozak, K., Maruschak, M., Krynytska, I. & Tskhvediani, N. 2019, "THE SPECIFIC FEATURES OF CELL DEATH OF CIRCULATING NEUTROPHILS IN A SETTING OF EXPERIMENTALLY INDUCED CRUSH SYNDROME", *Georgian medical news*, , no. 286, pp. 122-126.

103. Sakhno, L.A., Sarnatskaya, V.V., Yushko, L.A., Snezhkova, E.A., Bardakhivskaya, K.I., Shevchuk, O.O., Sidorenko, A.S. & Nikolaev, V.G. 2019, "Adsorptive therapy as a modifiicator for tumor-host interaction", *Experimental Oncology*, vol. 41, no. 3, pp. 254-257.

104. Saturdayska, H., Shulhai, A., Levchuk, R., Potikha, N. & Usynskyi, R. 2019, "Medical and social issues of cardiovascular diseases and their solution based on the experimental study of myocardial fibrosis", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 1, pp. 35-39.

105. Semenenko, A.I., Kondratsky, B.O., Hrebtiiy, G.I., Malyk, S.L., Hinhuliak, M.G., Bodnar, R.Y., Hinhuliak, A.M. & Zheliba, L.M. 2019, "Correction of neurological deficiency in patients with acute ischemic stroke by application of different qualitative composition of infusion solutions", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 4, pp. 543-547.

106. Serhii, L., Oleksandra, O., Xu, M. & Andrii, H. 2019, "Onto-oriented expert system for supporting diagnostic and therapeutic decisions in the field of Chinese image medicine", *IEEE 2019 14th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2019 - Proceedings*, pp. 210.

107. Serhii, L., Volodymyr, P., Nataliia, K. & Andrii, H. 2019, "The conceptual foundations of the axiomatic-deductive strategy of e-learning course knowledge organization with high semantic quality", *IEEE 2019 14th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2019 - Proceedings*, pp. 201.

108. Shcherba, V., Vydoinyk, O., Posolenyk, L. & Korda, M. 2019, "The influence of thyroid hormones on mitochondrial mechanisms of blood neutrophils' apoptosis in case of experimental periodontitis", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 64-71.

109. Shevchuk, O., Snezhkova, E., Sarnatskaya, V., Mikhailenko, V., Glavin, A., Makovetska, L., Bardakhivska, K., Birchenko, I., Kozynchenko, O. & Nikolaev, V. 2019, "Effect of primary and secondary beads of carbon enterosorbent on haematological parameters and oxidative stress development caused by melphalan in rats", *Medicina (Lithuania)*, vol. 55, no. 9.

110. Shevchuk, O.O., Posokhova, K.A., Todor, I.M. & Nikolaev, V.G. 2019, "Combination of granulocyte colony-stimulating factor and enterosorption to fight the side effects of anti-cancer chemotherapy" in *Advances in Medicine and Biology. Volume 143*, pp. 201-217.

111. Shidlovskiy, V.O., Shidlovskiy, O.V., Sheremet, M., Zhulkevych, I.V., Andreychyn, S.M., Hanberher, I.I., Smachylo, I.I., Dobrorodny, V.B. & Futuima, Y.M. 2019, "Laboratory Diagnostics of Primary Hyperaldosteronism and its Peculiarities (Literature Review)", *Journal of medicine and life*, vol. 12, no. 3, pp. 215-220.

112. Shidlovskiy, V.O., Shidlovskiy, O.V., Tovkai, O.A., Sheremet, M.I., Maksymyuk, V.V., Tarabanchuk, V.V., Ivanovych, S.M., Heryak, M.S., Andreychyn, M.S., Hanberher, I.I. & Piddubna, A.A. 2019, "Topical Diagnosis and Determination of the Primary Hyperaldosteronism Variant", *Journal of medicine and life*, vol. 12, no. 4, pp. 322-328.

113. Shulhai, A.-., Pavlyshyn, H. & Shulhai, O. 2019, "Relation of carbohydrate exchange markers with Vitamin D status in adolescents with overweight and obesity", *Pediatric Endocrinology, Diabetes and Metabolism*, vol. 25, no. 4, pp. 169-176.

114. Shulhai, A.-.A., Pavlyshyn, H.A. & Shulhai, O.M. 2019, "Peculiarities of the prevalence and risk factors for Vitamin D deficiency in overweight and obese adolescents in Ukraine", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 57-63.

115. Slobodianiuk, L., Budniak, L., Marchyshyn, S. & Basaraba, R. 2019, "Determination of amino acids and sugars content in antennaria dioica gaertn", *International Journal of Applied Pharmaceutics*, vol. 11, no. 5, pp. 39-43.

116. Smiyan, S., Galaychuk, I., Zhulkevych, I., Nykolyuk, V., Komorovsky, R., Gusak, S. & Bilozetsky, I. 2019, "Sjögren's syndrome and lymphadenopathy unraveling the diagnosis of Lyme disease", *Reumatologia*, vol. 57, no. 1, pp. 59-62.
117. Suh, C.-., Yoo, D.H., Berrocal Kasay, A., Chalouhi El-Khoury, E., Cons Molina, F.F., Shesternya, P., Miranda, P., Medina-Rodriguez, F.G., Wiland, P., Jeka, S., Chavez-Corrales, J., Linde, T., Hrycaj, P., Abello-Banfi, M., Hospodarskyy, I., Jaworski, J., Piotrowski, M., Brzosko, M., Krogulec, M., Shevchuk, S., Calvo, A., Andersone, D., Park, W., Shim, S.C., Lee, S.J. & Lee, S.Y. 2019, "Long-Term Efficacy and Safety of Biosimilar CT-P10 Versus Innovator Rituximab in Rheumatoid Arthritis: 48-Week Results from a Randomized Phase III Trial", *BioDrugs*, vol. 33, no. 1, pp. 79-91.
118. Svyd, I.V., Obod, A.I., Zavolodko, G.E., Melnychuk, I.M., Wójcik, W., Orazalieva, S. & Ziyatbekova, G. 2019, "Assessment of information support quality by "friend or foe" identification systems", *Przegląd Elektrotechniczny*, vol. 95, no. 4, pp. 127-131.
119. Tokarskyy, O. & Korda, M. 2019, "Influence of suspension liquid total solids on E. coli O157:H7 survival and transfer efficacy between green tomatoes and cardboard", *Potravinárstvo Slovak Journal of Food Sciences*, vol. 13, no. 1, pp. 941-949.
120. Tokarskyy, O. & Korda, M. 2019, "Microbiological comparison of visibly dirty and visibly clean mature green tomatoes before and after treatments with deionized water or chlorine in model overhead spray brush roller system", *Potravinárstvo Slovak Journal of Food Sciences*, vol. 13, no. 1, pp. 779-783.
121. Tokarskyy, O., Marshall, D.L., Dillon, J. & Andrews, L.S. 2019, "Long-term depuration of crassostrea virginica oysters at different salinities and temperatures changes vibrio vulnificus counts and microbiological profile", *Journal of food protection*, vol. 82, no. 1, pp. 22-29.
122. Tokarskyy, O. & Schneider, K. 2019, "Influence of temperature, humidity, and diluent type on survival of Salmonella spp. On the surface of raw tomatoes", *Potravinárstvo Slovak Journal of Food Sciences*, vol. 13, no. 1, pp. 325-330.
123. Turchyn, M., Klishch, I., Marushchak, M., Krynytska, I. & Shmyr, S. 2019, "The role of free-radical oxidation in the initiation of apoptotic blood

leukocytes death in the dynamics of experimental mechanical non-penetrating corneal injury", *Archives of the Balkan Medical Union*, vol. 54, no. 1, pp. 18-24.

124. Vakulenko, D.V., Martseniuk, V.P., Vakulenko, L.O., Selskyy, P.R., Kutakova, O.V., Gevko, O.V. & Kadobnyj, T.B. 2019, "Cardiovascular system adaptability to exercise according to morphological, temporal, spectral and correlation analysis of oscillograms", *Family Medicine and Primary Care Review*, vol. 21, no. 3, pp. 253-263.

125. Vysotska, O.V., Bepalov, Y.G., Pecherska, A.I., Koval, S.M., Lytvynova, O.M., Dyvak, A.M., Maciejewski, M. & Kalizhanova, A. 2019, "Mathematical simulation of the structure of pulsed arterial pressure relations with vascular damage factors in patients with arterial hypertension", *Information Technology in Medical Diagnostics II - Proceedings of the International Scientific Internet Conference on Computer Graphics and Image Processing and 48th International Scientific and Practical Conference on Application of Lasers in Medicine and Biology, 2018*, pp. 47.

126. Yaremchuk, O., Posokhova, K., Bandas, I., Kurylo, K. & Tsybulska, L. 2019, "MIELIN BASIC PROTEIN IN THE BRAIN TISSUE OF THE BALB/C MICE WITH EXPERIMENTAL ANTIPHOSPHOLIPID SYNDROME AND AFFECTION WITH NITRIC OXIDE SYNTHESIS MODULATORS", *Georgian medical news*, , no. 297, pp. 135-140.

127. Yaremchuk, O.Z. & Posokhova, K.A. 2019, "Content of GFAP in the Brain of BALB/C Mice with the Antiphospholipid Syndrome: Effects of L-Arginine and Aminoguanidine", *Neurophysiology*, vol. 51, no. 6, pp. 409-415.

128. Yuryk, I.I., Bodnar, Y.Y., Trach-Rosolovska, S.V., Hladii, O.I., Bodnar, P.Y. & Voloshyn, V.D. 2019, "Peculiarities of morphological changes of endotheliocytes and remodeling of the arteries under the experimental hypercholesterolemia", *Wiadomosci lekarskie (Warsaw, Poland : 1960)*, vol. 72, no. 5 cz 2, pp. 972-977.