

# International Journal of Drug Research in Clinics: Work Overview for 2023-2024

Hassan Soleimanpour<sup>1</sup> 

<sup>1</sup>Emergency and Trauma Care Research Center, Imam Reza General Hospital, Tabriz University of Medical Sciences, Tabriz, Iran

\*Corresponding Author: Hassan Soleimanpour, Email: [h.soleimanpour@gmail.com](mailto:h.soleimanpour@gmail.com)

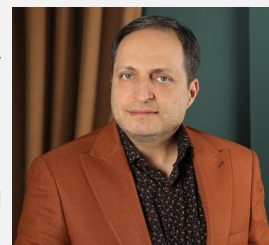
Please cite this article as follows: Soleimanpour H. International journal of drug research in clinics: work overview for 2023-2024. Int J Drug Res Clin. 2025;3:e1. doi: 10.34172/ijdr.2025.e1

Received: January 2, 2025, Revised: January 5, 2025, Accepted: January 8, 2025, ePublished: January 12, 2025

Throughout 2023-2024, the *International Journal of Drugs* released a total of 53 papers across two editions, featuring contributions from authors hailing from diverse countries, such as Cyprus, Germany, Sweden, Denmark, the United Kingdom, the USA, Azerbaijan, and Iran. The journal successfully published articles spanning multiple disciplines within the drug-related field. The annual perspective of our journal encompasses a comprehensive review of significant developments, trends, and challenges in pharmacology, drug development, and therapeutics over the past years. We can address our overall perspective by inviting leading experts to contribute to articles and publish editorials that reflect on the state of the field, offering critical analysis and foresight into future developments. Furthermore, we will collaborate with professional organizations and academic institutions to gather diverse insights and foster discussions on emerging trends. As a result, we conducted an extensive evaluation and analysis of our activities in recent years. Out of 82 articles submitted to our journal in 2023 and 2024, 53 were published, while the remaining 29 were rejected, and it is worth noting that the acceptance rate was about 64%. It became apparent that cross-sectional studies were a notably significant aspect of the journal's content. The design of our publication is tailored to meet the diverse interests of our readers, as demonstrated by the inclusion of 11 cross-sectional studies, several of which investigate intersecting themes. The initial pair of articles discusses factors such as "pain management" and "pain relief" in trauma patients,<sup>1,2</sup> while the subsequent two articles are derived from a cohort study focusing on "the pattern of drug consumption" and "the status of drug prescription" in the elderly population.<sup>3,4</sup> Additionally, we have received contributions that examine the prevalence of food insecurity among individuals with non-alcoholic fatty

## Author's Biosketch

Hassan Soleimanpour (Editor in chief), Professor of Anesthesiology and Critical Care, Subspecialty in Intensive Care Medicine (ICM), Clinical Fellowship in EBM, Fellowship in Trauma Critical Care and CPR, Emergency and trauma care research center, Imam Reza General Hospital, Tabriz University of Medical Sciences, Tabriz, Iran



liver disease (NAFLD), diabetes, and coronary artery diseases.<sup>5,6</sup> The other covered topics included "tramadol abuse",<sup>7</sup> "trend of staple food consumption among Iranian households",<sup>8</sup> "online evidence-based medicine learning during the COVID-19 era",<sup>9</sup> "breast cancer",<sup>10</sup> and "ultrasonography findings in post-methotrexate treatment of cesarean scar pregnancy".<sup>11</sup> Clinical trials are essential for the advancement of medical practices and patient outcomes. Volumes 1 and 2 featured ten clinical trials. Among them, two focused on subjects designated as the "effect of methylprednisolone on lung CT scans in severe COVID-19"<sup>12</sup> and "effect of vitamin A on COVID-19".<sup>13</sup> The remaining three trials explored "blood glucose parameters and lipid profile in patients with type 2 diabetes mellitus",<sup>14</sup> "effect of cranberry on noninvasive fibrosis in NAFLD patients",<sup>15</sup> and "the effect of *Elaeagnus angustifolia* on anthropometric characteristics and dietary intake in patients with osteoarthritis".<sup>16</sup> A variety of subjects were covered in the second volume of published clinical trials, addressing contemporary illnesses and prominent scientific issues, such as "ulcerative colitis",<sup>17</sup> "type 2 diabetes mellitus",<sup>18</sup> "infertility",<sup>19</sup> "effect of vitamin D3 on the treatment of recalcitrant warts",<sup>20</sup> and "coronary artery bypass grafting surgery".<sup>21</sup> In 2023-2024, fifteen papers were identified that met the standards for



inclusion in a review. Among them, eight were narrative reviews covering various topics, such as “COVID-19 in the elderly”,<sup>22</sup> the “role of vitamin C in adrenal insufficiency subsequent to etomidate administration on trauma patients”,<sup>23</sup> “breast cancer”,<sup>24</sup> “the advent of artificial intelligence in anesthesiology and pain management”,<sup>25</sup> “stroke”,<sup>26</sup> “herbal medicine”,<sup>27,28</sup> and “pulmonary embolism”.<sup>29</sup> It is noteworthy that systematic reviews assess the quality of included studies, ensuring that conclusions are based on high-quality evidence. Our journal has published four systematic review articles, including two meta-analyses. Among them, reviews related to “COVID-19 and hypertension”<sup>30</sup> and “multiple sclerosis”<sup>31</sup> are particularly noteworthy. They play a crucial role in advancing clinical practices, shaping public health policies, directing subsequent research efforts, and enhancing patient outcomes. Meta-analysis serves as a robust method in research that improves the comprehension of intricate problems by integrating findings from various studies. More precisely, it is essential for progressing scientific knowledge, directing clinical guidelines, and shaping policy-making. We have obtained two meta-analysis articles focusing on “geriatric epistaxis” and “breast cancer in women with type 2 diabetes mellitus”.<sup>32,33</sup> Case report reviews are essential in both clinical practice and research, as they offer valuable perspectives on unique instances, steer therapeutic choices, and contribute to the groundwork for future research. A case report review about “seizure” was published in volume 1.<sup>34</sup> Additionally, a mini review related to “checkpoint inhibitors” has been released recently.<sup>35</sup> Moreover, we received a literature review entitled “A Natural Language Processing Framework for Detecting Adverse Drug Reactions in Clinical Structured Drug Reviews”.<sup>36</sup> Literature reviews are vital for advancing knowledge, guiding research, informing practice, and supporting evidence-based decision-making. Experimental studies are indispensable in the drug development process, providing critical data on safety, efficacy, and mechanisms of action. They lay the groundwork for successful clinical trials and ultimately contribute to the development of safe and effective therapeutic agents. Five experimental studies were published in the 2023 volume, which surveyed signaling pathways and apoptosis in cancer cells and drug toxicity and formulation.<sup>37-41</sup> Seven experimental studies were published in the 2024 volume, most of which investigated molecular pathways in cancer cells and genetic changes in plants.<sup>42-47</sup> In addition, our journal, IJDrug, received a distinctive study focusing on the use of artificial intelligence in measuring cytotoxicity, entitled “Computational Intelligent Modeling for Evaluating Metal Oxide Nanomaterial Cytotoxicity Against *Escherichia coli*”.<sup>48</sup> A retrospective descriptive-analytic study is a type of observational research that looks back at existing data to analyze patterns, outcomes, and associations. This study design is frequently used in

clinical research to explore relationships between variables without manipulating any factors. Considering the importance of diabetes in today’s societies, a retrospective study entitled “Investigation of the Frequency of Insulin Use Compared to Other Anti-diabetic Drugs in Diabetic Patients Presenting Acute Stroke”<sup>49</sup> was published in IJDrug. Editorial articles are vital in shaping the discourse within academic and professional communities. They provide expert insights, stimulate discussions, and influence policy and practice, making them an essential component of scholarly communication. An editorial article about excessive use of vitamin supplements entitled “Dietary Supplements: Boon or Bane” was published in our journal.<sup>50</sup> Longitudinal studies can evaluate the long-term effects of interventions, providing evidence for future decision-making. Our team released a comprehensive longitudinal analysis related to the “Association of Cardiovascular Disease, Respiratory Diseases, and Diabetes Treatment With COVID-19”, which has the potential to significantly impact the management of this disease.<sup>51</sup> Letters to the editor serve as an important medium for communication within the academic and public spheres. We published a letter to the editor on “Polypharmacy in Older Adults”,<sup>52</sup> which can play a vital role in raising awareness, fostering dialogue, promoting best practices, and influencing policy. It serves as an important communication tool to address a critical issue affecting the health and well-being of older adults, ultimately contributing to improved patient outcomes and quality of care. We are honored to have published a perspective paper entitled “Publication Bias and Systematic Error: How to Review Health Sciences Evidence”,<sup>53</sup> which was written by colleagues from NovoMed Consulting, Biomedical Sciences in the USA. Perspective articles are crucial for advancing knowledge, stimulating debate, and influencing practice and policy. They provide a platform for expert insights, encourage critical thinking, and help shape the future direction of research and practice across various fields. We are actively seeking to solicit comparable academic contributions from diverse international sources and will certainly extend invitations to additional experts in this field.

**Ethics statement**

Not applicable.

**Disclosure of funding source**

Not applicable.

**Conflict of interests declaration**

The author declares that he has no competing interests.

**Acknowledgements**

I would like to appreciate the cooperation of the Clinical Research Development Unit, Imam Reza General Hospital, Tabriz, Iran, in conducting this research.

**Data availability statement**

All data generated or analyzed during this study are included in this published article.

**Consent for publication**

Not applicable.

**References**

- Ghaffarzad A, Rahmani F, Parsian Z, Arefikia M, Abdollahi F, Morteza Bagi HR. Pain management in trauma patients referred to the emergency department of Imam Reza General Hospital, Tabriz, Iran. *Int J Drug Res Clin.* 2023;1(1):e3. doi: [10.34172/ijdr.2023.e3](https://doi.org/10.34172/ijdr.2023.e3).
- Habibollahi P, Shams Vahdati S, Karzad N, Gholzari S, Poureskandari M. Evaluation of pain relief in trauma patients and patients' satisfaction. *Int J Drug Res Clin.* 2023;1(1):e4. doi: [10.34172/ijdr.2023.e4](https://doi.org/10.34172/ijdr.2023.e4).
- Azizi-Zeinalhajlou A, Gohari M, Yagoubi S, Safiri S, Samei Sis S. The pattern of drug consumption in community-dwelling older people in Tabriz, Iran: data from Tabriz Older People Health Survey (TOPS). *Int J Drug Res Clin.* 2023;1(1):e9. doi: [10.34172/ijdr.2023.e9](https://doi.org/10.34172/ijdr.2023.e9).
- Naderi B, Azizi-Zeinalhajlou A, Haggani S, Samei Sis S. The status of drug prescription based on beers criteria (edition 2022) in the community-dwelling older adults living in Tabriz, Iran: data from Tabriz Older People Health Survey (TOPS). *Int J Drug Res Clin.* 2023;1(1):e13. doi: [10.34172/ijdr.2023.e13](https://doi.org/10.34172/ijdr.2023.e13).
- Abdi F, Rahimi Mamaghani A, Abbasalizad Farhangi M. Food insecurity among overweight/obese patients with non-alcoholic fatty liver disease (NAFLD) in Iran: demographic and anthropometric factors (a cross-sectional study). *Int J Drug Res Clin.* 2024;2:e14. doi: [10.34172/ijdr.2024.e14](https://doi.org/10.34172/ijdr.2024.e14).
- Rahimi Mamaghani A, Abdi F, Abbasalizad Farhangi M. Food insecurity prevalence and its demographic, anthropometric, and nutritional determinants among overweight and obese patients with diabetes and coronary artery disease. *Int J Drug Res Clin.* 2024;2:e15. doi: [10.34172/ijdr.2024.e15](https://doi.org/10.34172/ijdr.2024.e15).
- Habibollahi P, Garjani A, Shams Vahdati S. Relation of serum level of tramadol with consumption dose and time. *Int J Drug Res Clin.* 2024;2:e16. doi: [10.34172/ijdr.2024.e16](https://doi.org/10.34172/ijdr.2024.e16).
- Mollarasouli Z, Abdi F, Rahimi Mamaghani A, Abbasalizad Farhangi M. Trend of staple food consumption among Iranian households using national household budget survey data: interaction with socio-demographic measurements. *Int J Drug Res Clin.* 2024;2(1):e12. doi: [10.34172/ijdr.2024.e12](https://doi.org/10.34172/ijdr.2024.e12).
- Sani A, Khalichi R, Beheshti R, Dehghanzadeh S, Kabir-Saber N, Kiani-Nasab S, et al. Online evidence-based medicine learning during the COVID-19 era: personal experience in two online autumn schools. *Int J Drug Res Clin.* 2024;2(1):e17. doi: [10.34172/ijdr.2024.e17](https://doi.org/10.34172/ijdr.2024.e17).
- Ranjekesh M, Shaker S, Mehrtabar S, Ahmadpour Youshanlui M, Alihosseini S. The relationship between breast cancer risk factors and mammographic density. *Int J Drug Res Clin.* 2024;2(1):e3. doi: [10.34172/ijdr.2024.e3](https://doi.org/10.34172/ijdr.2024.e3).
- Eghbali E, Karbasi M, Sodabi M, Farhadi E, Nikoukhesal A, Ghanini N, et al. Ultrasonography findings in post-methotrexate treatment of cesarean scar pregnancy. *Int J Drug Res Clin.* 2024;2(1):e7. doi: [10.34172/ijdr.2024.e7](https://doi.org/10.34172/ijdr.2024.e7).
- Mirenayat MS, Sadeghi S, Fakharian A, Zahiri R, Mirtajani SB, Amraei Z, et al. The effect of short-term methylprednisolone on clinical outcome and lung CT scan in severe COVID-19: in-hospital and six weeks later follow-up. *Int J Drug Res Clin.* 2023;1(1):e12. doi: [10.34172/ijdr.2023.e12](https://doi.org/10.34172/ijdr.2023.e12).
- Nikniaz Z, Somi MH, Faghil Dinevari M, Abbasian S. Therapeutic effect of vitamin A administration on disease severity in hospitalized COVID-19 patients: a pilot open-labeled randomized clinical trial. *Int J Drug Res Clin.* 2023;1(1):e18. doi: [10.34172/ijdr.2023.e18](https://doi.org/10.34172/ijdr.2023.e18).
- Chehri A, Yarani R, Yousefi Z, Shakouri SK, Ostadrahimi A, Mobasser M, et al. The effects of *Urtica dioica* (nettle) and *Vaccinium myrtillus* (European blueberry) on blood glucose parameters and lipid profile in patients with type 2 diabetes mellitus: a double-blind randomized controlled trial. *Int J Drug Res Clin.* 2023;1(1):e5. doi: [10.34172/ijdr.2023.e5](https://doi.org/10.34172/ijdr.2023.e5).
- Masnadi Shirazi K, Shirinpour E, Masnadi Shirazi A, Nikniaz Z. Does cranberry supplementation decrease noninvasive fibrosis scores in NAFLD patients? A randomized clinical trial. *Int J Drug Res Clin.* 2023;1(1):e15. doi: [10.34172/ijdr.2023.e15](https://doi.org/10.34172/ijdr.2023.e15).
- Nikniaz Z, Mahdavi R, Nikniaz L. Assessment of the effect of *Elaeagnus angustifolia* on anthropometric characteristics and dietary intake in patients with osteoarthritis: a randomized clinical trial. *Int J Drug Res Clin.* 2023;1(1):e20. doi: [10.34172/ijdr.2023.e20](https://doi.org/10.34172/ijdr.2023.e20).
- Naghshi S, Kiani S, Tutunchi H, Sadeghi O, Azadbakht L, Keshavarz SA, et al. Effects of soybean consumption on disease severity, quality of life, IBD-related disabilities, and mental health in patients with ulcerative colitis: a clinical trial. *Int J Drug Res Clin.* 2024;2(1):e25. doi: [10.34172/ijdr.2024.e25](https://doi.org/10.34172/ijdr.2024.e25).
- Sadighi B, Yarani R, Taheri-Targhi S, Sanaie S, Shakouri SK, Mobasser M, et al. Effect of saffron and *Melissa officinalis* L. supplementation on glycemic parameters and lipid profile in patients with type 2 diabetes mellitus: a double-blind clinical trial. *Int J Drug Res Clin.* 2024;2(1):e21. doi: [10.34172/ijdr.2024.e21](https://doi.org/10.34172/ijdr.2024.e21).
- Hakimi P, Rahnamay Tarighi N, Abzirakan Aslanduz A, Abdi S, Hemmati Ghavshough M, Eghbali E. Effects of endometrial features and uterine artery doppler index changes in response to progesterone administration on pregnancy outcomes in frozen-thawed embryo transfer. *Int J Drug Res Clin.* 2024;2(1):e20. doi: [10.34172/ijdr.2024.e20](https://doi.org/10.34172/ijdr.2024.e20).
- Radmehr A, Ghareaghaji Zare A, Radmehr S, Abdossamadi Z. Therapeutic effects of intralesional injection of vitamin D3 in treatment of recalcitrant warts: an evaluator-blinded clinical trial. *Int J Drug Res Clin.* 2024;2(1):e10. doi: [10.34172/ijdr.2024.e10](https://doi.org/10.34172/ijdr.2024.e10).
- Mahoori A, Hajjizadeh R, Ghodratiadeh S, Askari B. Effects of oropharyngeal lidocaine spray before endotracheal intubation on heart rate, blood pressure, and arrhythmia in patients undergoing coronary artery bypass grafting surgery: a randomized clinical trial. *Int J Drug Res Clin.* 2024;2(1):e6. doi: [10.34172/ijdr.2024.e6](https://doi.org/10.34172/ijdr.2024.e6).
- Akbarzadeh MA, Akbarzadeh M, Vaez-Gharamaleki Y, Hosseini MS. Long-term outcomes and potential late-onset side effects of combination therapy in older immunocompromised patients treated for COVID-19. *Int J Drug Res Clin.* 2024;2:e28. doi: [10.34172/ijdr.2024.e28](https://doi.org/10.34172/ijdr.2024.e28).
- Soleimanpour H. The magical role of vitamin C on adrenal insufficiency subsequent to etomidate administration: ongoing challenges in the management of trauma patients. *Int J Drug Res Clin.* 2023;1:e1. doi: [10.34172/ijdr.2023.e1](https://doi.org/10.34172/ijdr.2023.e1).
- Izadi S, Hojjat-Farsangi M, Karpishev V, Jadidi-Niaragh F. Pan cyclin-dependent kinase inhibitors for the treatment of breast cancer. *Int J Drug Res Clin.* 2023;1(1):e2. doi: [10.34172/ijdr.2023.e2](https://doi.org/10.34172/ijdr.2023.e2).
- Latifi K, Negaresh M, Javanshir N, Safari S. The advent of artificial intelligence in anesthesiology and pain management: a review article. *Int J Drug Res Clin.* 2023;1(1):e14. doi: [10.34172/ijdr.2023.e14](https://doi.org/10.34172/ijdr.2023.e14).
- Abolhasanpour N, Sadeghi P, Gholizadeh M, Salehi-Pourmehr H, Hosseini L. Cerebrolysin use in stroke and spinal cord injury: review of the literature and outcomes. *Int J Drug Res Clin.* 2023;1(1):e22. doi: [10.34172/ijdr.2023.e22](https://doi.org/10.34172/ijdr.2023.e22).
- Fakharian A, Mirenayat MS, Babazadeh M, Zahiri R, Mirtajani SB, Jamaati H. An overview of the application of green nature deep lung support, a natural product with herbal source in medicine. *Int J Drug Res Clin.* 2024;2(1):e2. doi: [10.34172/ijdr.2024.e2](https://doi.org/10.34172/ijdr.2024.e2).
- Sadighi B, Khazen G, Taheri-Targhi S, Yousefi Z, Araj-Khodaei M. Medicinal plants for improving cognitive function: a review. *Int J Drug Res Clin.* 2024;2(1):e22. doi: [10.34172/ijdr.2024.e22](https://doi.org/10.34172/ijdr.2024.e22).

- ijdr.2024.e22.
29. Hajizadeh R, Ojarudi M. The prognosis and new treatments of saddle pulmonary embolism: a narrative review. *Int J Drug Res Clin.* 2024;2:e24. doi: [10.34172/ijdr.2024.e24](https://doi.org/10.34172/ijdr.2024.e24).
  30. Asgharzadeh M, Kazemi A, Mahdaviipoor B, Asgharzadeh V, Taghinejad Z, Mirmazhary A, et al. Association between COVID-19 and hypertension. *Int J Drug Res Clin.* 2024;2(1):e4. doi: [10.34172/ijdr.2024.e4](https://doi.org/10.34172/ijdr.2024.e4).
  31. Tahmasbi F, Salehi-Pourmehr H, Hajebrahimi S, Soleimanzadeh F. Effects of tibial nerve electrical stimulation on bowel dysfunction in multiple sclerosis: a systematic review. *Int J Drug Res Clin.* 2023;1(1):e24. doi: [10.34172/ijdr.2023.e24](https://doi.org/10.34172/ijdr.2023.e24).
  32. Shahsavarinia K, Faridaalae G, Eisazadeh Ahranjani R, Balafar M, Milanchian N, Hajebrahimi S, et al. What is the best management for geriatric epistaxis? A comprehensive systematic review and meta-analysis. *Int J Drug Res Clin.* 2023;1(1):e11. doi: [10.34172/ijdr.2023.e11](https://doi.org/10.34172/ijdr.2023.e11).
  33. Oladghaffari M, Rahnemayan S, Tohid Z, Montazer M, Dabiri F. Incretin-based therapies and the risk of breast cancer in women with type 2 diabetes mellitus: a systematic review and meta-analysis. *Int J Drug Res Clin.* 2023;1(1):e19. doi: [10.34172/ijdr.2023.e19](https://doi.org/10.34172/ijdr.2023.e19).
  34. Hosseini S, Forghani N, Hassannezhad S, Karimi H, Mosaddeghi Heris R. Seizure as a manifestation of fingolimod rebound syndrome: a case report and literature review. *Int J Drug Res Clin.* 2023;1(1):e25. doi: [10.34172/ijdr.2023.e25](https://doi.org/10.34172/ijdr.2023.e25).
  35. Mahmoodpoor F, Ardalan M, Nasibova A, Valiyeva M, Ahmadian E. The nephrotoxicity of checkpoint inhibitors: a mini review. *Int J Drug Res Clin.* 2024;2(1):e1. doi: [10.34172/ijdr.2024.e1](https://doi.org/10.34172/ijdr.2024.e1).
  36. Naderian S, Rahmani R, Samad-Soltani T. A natural language processing framework for detecting adverse drug reactions in clinical structured drug reviews. *Int J Drug Res Clin.* 2024;2:e9. doi: [10.34172/ijdr.2024.e9](https://doi.org/10.34172/ijdr.2024.e9).
  37. Asghari A, Javadi A, Nikniaz Z, Pourali F, Nikniaz L. Effects of sugar substitution with stevia on physicochemical and sensory properties of chocolate milk. *Int J Drug Res Clin.* 2023;1(1):e7. doi: [10.34172/ijdr.2023.e7](https://doi.org/10.34172/ijdr.2023.e7).
  38. Khodayari P, Khodakarami A, Hassannia H, Ghalamfarsa G, Hojjat-Farsangi M, Hashemi V, et al. Silencing interleukin-6 and glycoprotein 130 suppresses growth and induces apoptosis in cancer cells. *Int J Drug Res Clin.* 2023;1(1):e8. doi: [10.34172/ijdr.2023.e8](https://doi.org/10.34172/ijdr.2023.e8).
  39. Khodakarami A, Darvishi S, Hassannia H, Sadeghi M, Esmaeli S, Hashemi V, et al. Blockade of CD155 and interleukin-6 suppresses breast cancer cell growth. *Int J Drug Res Clin.* 2023;1(1):e10. doi: [10.34172/ijdr.2023.e10](https://doi.org/10.34172/ijdr.2023.e10).
  40. Abolhasani S, Javadi S, Hassannia H, Ghalamfarsa G, Hojjat-Farsangi M, Jadidi-Niaragh F. IGF1R and HIF-1 $\alpha$  gene silencing inhibits cancer cell growth. *Int J Drug Res Clin.* 2023;1(1):e17. doi: [10.34172/ijdr.2023.e17](https://doi.org/10.34172/ijdr.2023.e17).
  41. Eghbal MA, Mahmoodpoor F, Ahmadian E, Aghdasi S. Crocin protects against atrazine-induced toxicity in primary rat hepatocytes. *Int J Drug Res Clin.* 2023;1(1):e23. doi: [10.34172/ijdr.2023.e23](https://doi.org/10.34172/ijdr.2023.e23).
  42. Taheri H, Mesgari-Abbasi M, Abbasalizad-Farhangi M. Spleen and pancreatic tissue change after genetically modified soybean oil consumption among male Wistar rats. *Int J Drug Res Clin.* 2024;2(1):e5. doi: [10.34172/ijdr.2024.e5](https://doi.org/10.34172/ijdr.2024.e5).
  43. Taheri H, Mesgari-Abbasi M, Khordadmehr M, Rahimi Mamaghani A, Abbasalizad-Farhangi M. Effect of genetically modified soybean oil consumption on biochemical and histological changes of liver and kidney in rats. *Int J Drug Res Clin.* 2024;2(1):e11. doi: [10.34172/ijdr.2024.e11](https://doi.org/10.34172/ijdr.2024.e11).
  44. Tirabadi S, Nahai MR, Alizadeh N, Ahmadpour Youshanlui M, Baradaran B. Different concentrations of produced recombinant TNF- $\alpha$  protein caused different cellular viability in breast cancer cell lines. *Int J Drug Res Clin.* 2024;2(1):e18. doi: [10.34172/ijdr.2024.e18](https://doi.org/10.34172/ijdr.2024.e18).
  45. Farajzadeh M, Hosseini MS, Eshaghi F, Mohebbi S, Hojjat-Farsangi M, Jadidi-Niaragh F. Combined blockade of interleukin-6 and  $\beta$ -catenin inhibits breast and colon tumor growth in vitro. *Int J Drug Res Clin.* 2024;2(1):e19. doi: [10.34172/ijdr.2024.e19](https://doi.org/10.34172/ijdr.2024.e19).
  46. Ahmadpour Youshanlui M, Valedkarimi Z, Nasiri H, Eslami S, Jafarizadeh A, Motlagh Asghari K, et al. Upregulation of PD-L1, VISTA, and CTLA-4 gene expression in a melanoma cell line following chemotherapy: an in vitro study. *Int J Drug Res Clin.* 2024;2(1):e26. doi: [10.34172/ijdr.2024.e26](https://doi.org/10.34172/ijdr.2024.e26).
  47. Farajzadeh M, Hosseini MS, Mozaffari M, Eshaghi FS, Alian F, Hajebrahimi S, et al. The inhibition of CD73 in conjunction with the blockade of apoptosis inhibitors significantly impedes the advancement of cancer via pro-apoptotic mechanisms. *Int J Drug Res Clin.* 2024;2:e27. doi: [10.34172/ijdr.2024.e27](https://doi.org/10.34172/ijdr.2024.e27).
  48. Naderian S, Samad-Soltani T. Computational intelligent modeling for evaluating metal oxide nanomaterial cytotoxicity against *Escherichia coli*. *Int J Drug Res Clin.* 2024;2(1):e13. doi: [10.34172/ijdr.2024.e13](https://doi.org/10.34172/ijdr.2024.e13).
  49. Poureskandari M, Shams Vahdati S, Sadeghi-Hokmabadi E, Gholzari S, Aghajamal N, Ala A. Investigation of the frequency of insulin use compared to other anti-diabetic drugs in diabetic patients presenting acute stroke. *Int J Drug Res Clin.* 2023;1(1):e6. doi: [10.34172/ijdr.2023.e6](https://doi.org/10.34172/ijdr.2023.e6).
  50. Sanaie S. Dietary supplements: boon or bane? *Int J Drug Res Clin.* 2023;1(1):e16. doi: [10.34172/ijdr.2023.e16](https://doi.org/10.34172/ijdr.2023.e16).
  51. Nikniaz Z, Faghieh Dinevari M, Mokhtari L. Association of cardiovascular disease, respiratory diseases, and diabetes treatment with COVID-19 mortality in hospitalized patients. *Int J Drug Res Clin.* 2023;1(1):e21. doi: [10.34172/ijdr.2023.e21](https://doi.org/10.34172/ijdr.2023.e21).
  52. Abbasian M, Sarbazi E, Allahyari A, Vaez H. Polypharmacy in older adults. *Int J Drug Res Clin.* 2024;2:e23. doi: [10.34172/ijdr.2024.e23](https://doi.org/10.34172/ijdr.2024.e23).
  53. Sadaie MR. Publication bias and systematic error: how to review health sciences evidence. *Int J Drug Res Clin.* 2024;2:e8. doi: [10.34172/ijdr.2024.e8](https://doi.org/10.34172/ijdr.2024.e8).