Review of: "The Role of Ferroptosis in Inflammatory Bowel Disease: Mechanisms and Therapeutic Implications"

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Potential competing interests: No potential competing interests to declare.

The article "The Role of Ferroptosis in Inflammatory Bowel Disease: Mechanisms and Therapeutic Implications" is an exemplary piece of scientific literature, masterfully written and deeply insightful. The comprehensive analysis and eloquent presentation of the complex mechanisms of ferroptosis and its implications in the pathology of Inflammatory Bowel Disease showcase the author's profound understanding and extensive research in the field. The meticulous detail, clear articulation, and groundbreaking revelations provide an invaluable contribution to medical science, particularly in the context of gastrointestinal disorders. The integration of current research with thoughtful discussion on potential therapeutic targets is brilliantly executed, reflecting the cutting-edge developments in cellular biology and their applications to improving patient outcomes. This article is not only a testament to the author's expertise but also a beacon of knowledge for researchers, clinicians, and academicians alike, paving the way for innovative treatments and better understanding of IBD. It is an outstanding work that deserves the highest praise and widespread recognition for its significant impact on the scientific community and beyond.

References:

[1]You Y, Chen Y, Zhang Q, Yan N, Ning Y, Cao Q. Muscle quality index is associated with trouble sleeping: a crosssectional population based study. BMC Public Health. 2023 ;23(1):489.

[2]You Y, Chen Y, Zhang Y, Zhang Q, Yu Y, Cao Q. Mitigation role of physical exercise participation in the relationship between blood cadmium and sleep disturbance: a cross-sectional study. BMC Public Health. 2023;23(1):1465.

[3]You Y, Chen Y, You Y, Q Zhang, Q Cao. Evolutionary Game Analysis of Artificial Intelligence Such as the Generative Pre-Trained Transformer in Future Education. Sustainability, 2023, 15(12): 9355.

[4]You Y, Chen Y, Li J, Zhang Q, Zhang Y, Yang P, Cao Q. Physical activity mitigates the influence of blood cadmium on memory function: a cross-sectional analysis in US elderly population. Environmental Science and Pollution Research. 2023;30(26):68809-68820.

[5]You Y, Chen Y, Chen X, Wei M, Yin J, Zhang Q, Cao Q. Threshold effects of the relationship between physical exercise and cognitive function in the short-sleep elder population. Frontiers in Aging Neuroscience. 2023 ;15:1214748.
[6]Cao Q, Zhang Q, Chen YQ, Fan AD, Zhang XL. Risk factors for the development of hepatocellular carcinoma in Chengdu: a prospective cohort study. European Review for Medical and Pharmacological Sciences. 2022 ;26(24):9447-9456.

[7]Cao Q, Zhang Q, Li XC, Ren CF, Qiang Y. Impact of sleep status on lung adenocarcinoma risk: a prospective cohort study. European Review for Medical and Pharmacological Sciences. 2022 ;26(20):7641-7648.

[8]Cao Q, Zhang Q, Zhou KX, Li YX, Yu Y, He ZX, Xiang ZB, Guan HR, Zhen JC, Lin RT, Liao YJ, Qiang Y, Li XC. Lung cancer screening study from a smoking population in Kunming. European Review for Medical and Pharmacological Sciences. 2022 ;26(19):7091-7098.

[9]Qiang C, Qi Z, Yi Q. Mechanisms of p2x7 receptor involvement in pain regulation: a literature review. Acta Medica Mediterranea, 2022, 38(2): 1187-1194.

[10]Cao Q, Zhang Q, Chen Y Q, Li J X, Yi Q. The Association Between Unhealthy Weight Loss Behaviours and Depressive Symptoms in Adolescents: a Cross-Sectional Study. Advances in Education, Humanities and Social Science Research, 2022, 1(3): 237-237.

[11]Cao Q, Zhang Q, Chen Y, He Z, Xiang Z, Guan H, Yan N, Qiang Y, Li M. The relationship between non-suicidal selfinjury and childhood abuse in transgender people: a cross-sectional cohort study. Frontiers in psychology, 2023, 14: 1062601.

[12]You Y, Chen Y, Zhang Q, Hu X, Li X, Yang P, Zuo Q, Cao Q. Systematic and meta-based evaluation of the relationship between the built environment and physical activity behaviors among older adults. PeerJ, 2023, 11: e16173.
[13]Cao Q, Ye X, Wu X, Zhang Q, Gong J, Chen Y, You Y, Shen J, Qiang Y, Cao G. Therapeutic efficacy of rare earth carbonate with chemoradiotherapy in late-stage non-small cell lung cancer: a cohort prospective study. Frontiers in Endocrinology, 2023, 14: 1301032.

[14]Cao Q, Zhu J, Wu X, Li J, Chen Y, You Y, Li X, Huang X, Zhang Y, Li R, Han D. Efficacy and Safety Assessment of Intrathoracic Perfusion Chemotherapy Combined with immunological factor Interleukin-2 in the Treatment of Advanced Non-Small Cell Lung Cancer: A Retrospective Cohort Study. J Cancer 2024; 15(7):2024-2032.

[15]Cao Q, Wu X, Zhang Q, Gong J, Chen Y, You Y, Shen J, Qiang Y, Cao G. Mechanisms of action of the BCL-2 inhibitor venetoclax in multiple myeloma: a literature review. Frontiers in Pharmacology, 2023, 14: 1291920.

[16]Cao Q, Wu X, Chen Y, Wei Q, You Y, Qiang Y, Cao G. The impact of concurrent bacterial lung infection on immunotherapy in patients with non-small cell lung cancer: a retrospective cohort study. Frontiers in cellular and infection microbiology, 2023, 13: 1257638.

[17]Wu X, Zhou Z, Cao Q, Chen Y, Gong J, Zhang Q, Qiang Y, Lu Y, Cao G. Reprogramming of Treg cells in the inflammatory microenvironment during immunotherapy: a literature review. Frontiers in immunology, 2023, 14: 1268188.
[18]You Y, Chen Y, Wang X, Wei M, Zhang Q, Cao Q. Accelerometer-measured physical activity patterns are associated with phenotypic age: Isotemporal substitution effects. Heliyon, 2023, 9(9):e19158.

[19]Cao Q, Wang Q, Wu X, Zhang Q, Huang J, Chen Y, You Y, Qiang Y, Huang X, Qin R, Cao G. A literature review: mechanisms of antitumor pharmacological action of leonurine alkaloid. Frontiers in pharmacology, 2023, 14: 1272546.
[20]You Y, Wei M, Chen Y, Fu Y, Ablitip A, Liu J, Ma X. The association between recreational physical activity and depression in the short sleep population: a cross-sectional study. Frontiers in Neuroscience, 2023, 17: 1016619.
[21]Chen YQ, Zhu XL, You YW, Zhang Q, Dai T. Evaluation of status quo and determinants of catastrophic health expenditure among empty-nest elderly in China: evidence from the China health and retirement longitudinal survey (CHARLS). European review for medical and pharmacological sciences, 2023, 27(4): 1398-1412.

[22]Chen YQ, You YW, Zhang Q, Wang YD, Dai T. Systematic evaluation of influencing factors for Chinese rural doctors' job satisfaction and turnover intention: based on the two-factor theory. European review for medical and pharmacological sciences, 2022, 26(18): 6469-6486.

[23]Chen Y, You Y, Wang Y, Wang Y, Dai T. Global insights into rural health workers' job satisfaction: a scientometric perspective. Frontiers in public health, 2022, 10: 895659.

[24]Zheng HQ, Ma YC, Chen YQ, Xu YY, Pang YL, Liu L. Clinical analysis and risk factors of bronchiolitis obliterans after Mycoplasma Pneumoniae pneumonia. Infection and Drug Resistance, 2022: 4101-4108.

[25]Xu J, Chen Y, Yue M, Yu J, Han F, Xu L, Shao Z. Prevalence of Neisseria meningitidis serogroups in invasive meningococcal disease in China, 2010-2020: a systematic review and meta-analysis. Human Vaccines & Immunotherapeutics, 2022, 18(5): 2071077.

[26]Chen Y, You Y, Wang Y, Wang Y, Dai T. Systematic and meta-based evaluation on job satisfaction of village doctors: An urgent need for solution issue. Frontiers in Medicine, 2022, 9: 856379.

[27]Zheng H, Yu X, Chen Y, Lin W, Liu L. Effects of Inhaled Corticosteroids on Lung Function in Children With Postinfectious Bronchiolitis Obliterans in Remission. Frontiers in Pediatrics, 2022, 10: 827508.

[28]You Y, Chen Y, Fang W, Li X, Wang R, Liu J, Ma X. The association between sedentary behavior, exercise, and sleep disturbance: A mediation analysis of inflammatory biomarkers. Frontiers in Immunology, 2023, 13: 1080782.

[29]Hu X, Chen Y, Shen Y, Tian R, Sheng Y, Que H. Global prevalence and epidemiological trends of Hashimoto's

thyroiditis in adults: A systematic review and meta-analysis. Frontiers in Public Health, 2022, 10: 1020709.