



ACADEMICIA
An International
Multidisciplinary
Research Journal
 (Double Blind Refereed & Peer Reviewed Journal)



DOI: 10.5958/2249-7137.2021.01453.1

MICRO ELEMENTAL IMBALANCE IN IRRITABLE BOWEL SYNDROME AND ITS CORRECTION

Abdullaev R.B*; Makhmudova L.I**

*Urganch branch of the Toshkent Medical Academy,
 Khorezm, UZBEKISTAN

**Bukhara Medical Institute,
 UZBEKISTAN

ABSTRACT

The prevalence of IBS is very high and varies between 10-20% in different countries. As a result of the study, the imbalance of the elements in the tissues of patients with IBS was detected using the method of gamma spectrometry in the hair. Decreased levels of Ca, Mg, Fe, Zn, Cu, I, Mn, Co in patients with IBS compared to healthy people, and the elements P, Se, As, Ni are reliably found to increase. Patients with IBS were corrected with element-preserving drugs such as Ca, Mg after the detection of element imbalance in the tissues. Positive results were obtained after complex treatment, and As in the tissues was reliably reduced.

KEYWORDS: *Irritable Bowel Syndrome, Elemental Balance, Essential And Toxic Elements.*

REFERENCES

1. Xanyukov A.A., Fedorova N.S. Possibilities and perspectives in the diagnosis of functional pathology of the intestine. O zdoroverebenka. Ukraine. 2017-12-2.1-57-61.
2. Makhmudova L.I., Shazhanova N.S., Akhmedova N.Sh., (2021). Clinical Features Of Irritable Intestinal Syndrome. The American Journal of Medical Sciences and Pharmaceutical Research, 3(04), 154-159.
3. Lovell R. M., Ford A. C. Global prevalence of and risk factors for irritable bowel syndrome: a meta-analysis // ClinGastroenterolHepatol. 2012; 10 (7): 712–721.
4. Abdullayev R.B., Makhmudova L.I., (2021). Assessment Of Clinical And Psychological Status And Quality Of Life Of Patients In Different Forms Of Irritable Bowel Syndrome. The American Journal of Medical Sciences and Pharmaceutical Research, 3(02), 127-134

5. Makhmudova L.I, Akhmedova N.Sh. Irritable bowel syndrome: a new look at the problem // *Academicia*. 10.5958/2249-7137.2020.00983.0. 433-38
6. Soares R. L. Irritable bowel syndrome: a clinical review // *World J Gastroenterol*. 2014; 20 (34): 12144–12160.
7. Lee Y. J., Park K. S. Irritable bowel syndrome: emerging paradigm in pathophysiology // *World J Gastroenterol*. 2014; 20 (10): 2456–2469.
8. Drossman DA, Hasler WL. Rome IV - Functional GI disorders: disorders of Gut-Brain interaction. *Gastroenterology*, 2016, 150 (6): 1262–79.
9. Brian E. Lacy, Fermin Mearin, Lin Chang et al. Bowel Disorders. *Gastroenterology*, 2016, 150: 1393–407.
10. Truxan D.I. At the reception of a patient with irritable bowel syndrome. *Meditinskiy sovet*. 10.21518 / 2079-701X-2016-17-95-99
11. Skalnyy A.V. Microelements: bodrost, zdorove, dolgoletie. M.: Exmo. 2010; 288 s.
12. Abdullayev R. B., Makhmudova L.I. Features of Chemical Elements in Various Forms of Irritable Bowel Syndrome // *Annals of R.S.C.B.*, ISSN:1583-6258, Vol. 25, Issue 2, 2021, Pages. 2993 - 3000
13. Tarmaeva I.Yu. Assessment of imbalance of chemical elements in patients with arterial hypertension. *Kazanskiy meditsinskiy zhurnal*. 2016, 97: 4, 501-507.
14. Gres N.A., Yuraga T.M., et al. Informativeness of hair spectroscopy during the study of microelemental disorders in the human body. *Medicinal news*. 2013, 4, 77-80.
15. Blake M.R., Raker J.M., Whelan K. Validity and reliability of the Bristol Stool Form Scale in healthy adults and patients with diarrhoea-predominant irritable bowel syndrome. 2016 Oct; 44 (7): 693-703. doi: 10.1111 / apt.13746. Epub 2016 Aug 5.
16. S.G.Naimovna, A.U.Kurbanovna, N.M.Shukurloevna, A.I.Jabborovna Evaluation of the gastrointestinal mucosa by the OLGA system in chronic atrophic gastritis, // *Journal of Critical Reviews* 7 (2), 409-413
17. M.M. Karimov, G.N. Sobirova, U.K. Abdullayeva, Chronic gastritis and carcinogenesis issues *Herald of Pancreatic Club* 45 (4), 65-70
18. G.N. Sobirova, U.K. Abdullaeva Immunopatogenesis of chronic gastritis and its role in carcinogenesis 1 (4), 20-27
19. U.K. Abdullaeva Predicting the risk of atrophic transformation in chronic gastritis using serum pepsinogen *World journal of pharmaceutical research, Faculty of Pharmacy Medical* 8 (13) 219-228
20. G.N. Sobirova, U.K. Abdullaeva Chronic gastritis and carcinogenesis issues *Central Asian Problems of Modern Science and Education* 4 (2), 159-172