

ASIAN JOURNAL OF PHARMACEUTICAL  
AND BIOLOGICAL RESEARCH

# AJPBR



Indexed by:



Universal  
Impact Factor



IMPACT FACTOR  
SEARCH

**Editorial board**

**Dr. Madhu Bala** Scientist 'F' and Joint Director, Institute of Nuclear Medicine and Allied Sciences (INMAS), India

**Dr. Sandip Narayan Chakraborty**  
Research Asst, Translational Molecular Pathology, Ut Md Anderson Cancer Center, Life Sciences Plaza, Houston, TX 77030

**Dr. Tushar Treembak Shelke**  
Head of Department of Pharmacology and Research Scholar, In Jspms Charak College of Pharmacy & Research, Pune, India

**Dr. Subas Chandra Dinda**  
Professor-cum-Director: School of Pharmaceutical Education & Research (SPER), Berhampur University, Berhampur, Orissa, India.

**Dr. Jagdale Swati Changdeo**  
Professor and Head, Department of Pharmaceutics, MAEER's Maharashtra Institute of Pharmacy, S.No.124, MIT Campus, Kothrud, Pune-411038

**Dr. Biplab Kumar Dey**  
Principal, Department of Pharmacy, Assam downtown University, Sankar Madhab Path, Panikhaiti 781026, Guwahati, Assam, India

**Dr. Yogesh Pandurang Talekar**  
Research Associate, National Toxicology Centre

**Dr. Indranil Chanda**  
Assistant Professor, Girijananda Chowdhury Institute of Pharmaceutical Science, Hathkhowapara, Azara Guwahati-17, Assam, India.

**Dr. Sudip Kumar Mandal** Department of Pharmaceutical Chemistry, Dr. B. C. Roy College of Pharmacy & AHS, Bidhannagar, Durgapur-713206, India.

**Sodikova Dilrabokhon** Andijan state medical institute

**Dr.**, associate professor **Kuryazova Sharofat** Tashkent Pediatric medical institute

**Dr.**, Abdurakhmanova Nigora Nazimovna Tashkent Pediatric Medical Institute

**Abdullaeva Umida** Bukhara state medical institute

**Dr. Neeraj Upmanyu**  
Prof., Peoples Institute of Pharmacy & Research Center, Bhopal, MP, India.

**Dr. Mirrakhimova Maktuba Khabibullaevna** Tashkent medical academy Uzbekistan

**Dr. Nishanova Aziza Abdurashidovna**, Tashkent State Dental Institute

**Dr. Sadikova Minurakhon Adkhamovna** Andijan State Medical Institute

**Kurbanova Sanobar Yuldashevna** Tashkent State Dental Institute

**Zokirova Nargiza Bahodirovna** Tashkent Pediatric medical institute

**Khabilov Behzod Nigmon ugli** Tashkent State Dental Institute

**Dr. Domenico De Berardis** Department of Mental Health, Azienda Sanitaria Locale Teramo, 64100 Teramo, Italy

**Dr. Azizova Rano Baxodirovna** associate professor of the Department of neurology of the Tashkent Medical Academy

**Dr. Ishankhodjaeva Gulchekhra** Tashkent Medical Academy  
Institute of Nuclear Medicine and Allied Sciences (INMAS), India

Brig SK Mazumdar Marg, Timarpur, New Delhi, Delhi 110054 India

## **OPTIMIZATION OF THE REFLEXOTHERAPY METHOD FOR CORRECTION OF PSYCHOEMOTIONAL DISORDERS IN THE PATHOLOGY OF THE FACIAL AND JAW AREA**

**Rizaev Jasur Alimdjanovich,**

**Kubaev Aziz Saidolimovich,**

**Axrorova Malika Shavkatovna**

**Samarkand State Medical University, Republic of Uzbekistan, Samarkand city**

E-mail: [azizkubaev784@gmail.com](mailto:azizkubaev784@gmail.com)

---

**Summary:** long-lasting psycho-emotional disorders are psychosomatic. It is important to participate in the formation of vegetodysfunction syndrome, to support the mechanisms of parafunctional disorders of chewing and facial muscles. Among reflexotherapy (RT) methods, acupuncture - needle treatment takes one of the leading places as a physiological correction of disturbances in the psycho-emotional sphere. However, basic methods are not always effective.

An enhanced method of scalpoauricular electroneuroreflexotherapy (SAENRT) has been developed.

**Keywords:** rehabilitation, bone plastic, orthodontic and orthopedic treatment.

**Introduction.** A psychogenic factor, emotional-stressful situations, anxiety-depressive, dysmorphophobic disorders - this is a typical list of disorders in the emotional-voluntary field in patients with maxillofacial pathology with unsuccessful results of reconstructive surgery, bruxism, etc., during the rehabilitation period after complex dental and orthopedic interventions.

In addition, psycho-emotional disorders are involved in the formation of psychosomatic vegetodysfunction syndrome, and support the mechanisms of parafunctional disorders of chewing and facial muscles. Among RT methods, needle therapy takes one of the leading places as a physiological correction of disturbances in the psycho-emotional sphere. However, it has been noted that basic methods are not always effective.

It is customary to distinguish the following main types of treatment: isotropic - aimed at eliminating etiological factors; pathogenetic - affecting the mechanisms of disease development; symptomatic - eliminating the symptoms of the disease. All of them together form a solid basis for a set of treatment and rehabilitation measures.

The basis of the reflexotherapy mechanism is the formation of differential afferent currents from receptors of different modalities located on the skin projection of acupuncture points. These afferent currents change the functional state of various parts of the central nervous system, resulting in changes in sensory thresholds, excitability, psychoemotional and autonomic reactivity, muscle mobility, vascular tone, immunological state, and tissue tropism.

An enhanced method of scalpoauricular electroneuroreflexotherapy (SAENRT) was developed.

The aim of the study was to substantiate the practical application of the potential SAENRT method for the correction of psycho-emotional disorders in patients with maxillofacial pathology and dental problems.

### ***Research object and methods.***

In the structure of the central nervous system, the limbic system and the limbic-reticular complex control the affective sphere, emotional reactions. 213 SAENRT method was used to correct anxiety-depressive disorders for reflex activation of the limbic-reticular system of the brain. The effect is on the projection area of the limbic-reticular system of the brain (line MS5 of scalpuncture microsystem) and areas of

anxiety, depression (the first and third quadrants of the auricle according to P. Noj'e cartogram) as well as 28, 25, 34, 26a, 55, 100 auricular points (ms5 scalpopuncture microsystem line) transferred to

*SAENRT* was performed on the "Kadr-16A" device, the electrodes were acupuncture needles, with a pulsed bipolar current with a neurotropic form of "spike-wave" impulse at resonance frequencies of 6, 3, 10, 25, 125, 146Hz with 2 minutes of exposure for each frequency. was impressed.

Treatment was carried out in 12 patients with psychosomatic syndrome (bruxism - 4, complicated neuralgia of the trigeminal nerve - 5, post-traumatic neuropathy of the facial nerve with cosmetic defects - 3).

Initially, anxiety, internal tension, lack of sleep, fear, low mood, general fatigue, reluctance to communicate with others, crying were detected in all patients.

### ***Results.***

Anxiety and depression levels decreased by an average of 25% after 4-5 treatments of SAENRT during psychological testing. No side effects were observed, all patients took the treatment enthusiastically, felt "inner peace" during the treatment, some even fell asleep. After 8-10 treatments of SAENRT, the positive dynamics stabilized.

The duration of sleep increased in the patients, the mood improved, there was no crying, and there was a desire to communicate with other people. It is worth noting that the SAENRT method is performed outside the maxillofacial region, which expands the possibilities of treatment in the presence of operative sutures, orthopedic structure and apparatus.

### ***Summary.***

Thus, the developed SAENRT method is an effective method of treating anxiety-depressive disorders in psychosomatic diseases in dentistry, maxillofacial orthopedics and surgery.

This method is one of the best ways to correct the functional state of the body of patients with maxillofacial injuries. This is because, through the multilevel and multifactorial response of the skin's surface to stimuli, it can produce immune-enhancing, desensitizing, and/or numbing, pain-relieving effects.

has ir and regulates the tone of the autonomic nervous system. At the same time, SAENRT not only helps to maintain homeostasis, but also stimulates various forms of adaptive activity of the body, it can be considered a promising tool to prevent the development of immunodepressive state.

### **Bibliography**

1. Ризаев, Ж., Кубаев, А. и Бузрукзода, Ж. 2022. СОВРЕМЕННЫЙ ПОДХОД К КОМПЛЕКСНОЙ РЕАБИЛИТАЦИИ ПАЦИЕНТОВ С ПРИОБРЕТЕННЫМИ ДЕФЕКТАМИ ВЕРХНЕЙ ЧЕЛЮСТИ (ОБЗОР ЛИТЕРАТУРЫ). Журнал стоматологии и краниофациальных исследований. 2, 3 (фев. 2022), 77–83. DOI:<https://doi.org/10.26739.2181-0966-2021-3-15>.

2. Ризаев Ж., Кубаев А. Предоперационные ошибки при хирургическом лечении верхней ретромикрогнатии // Европейский журнал молекулярной медицины. – 2021. – Т. 1. – №. 1.

3. Манкевич, С.М. Физиопунктурная рефлексотерапия при осложненной нейропатии лицевого нерва в реабилитации больных с челюстно-лицевой патологией / С.М. Манкевич // ARS Medica. 2011. - № 14. – С. 248–249.

4. Манкевич, С.М. Скальпоэлектрорефлексотерапия соматоформных расстройств / С.М. Манкевич [и др.]. // ARS Medica. – 2011. - № 14. – С. 247–248.

5. Картограммы и лечебное применение аурикулорефлексотерапии: учебно-методическое пособие / С.М. Манкевич [и др.]. – Минск: БелМАПО, 2011. – 60 с.

6. Железный С. П. Протезирование больных с дефектами зубных рядов после костной пластики дефектов челюстей / С. П. Железный // Институт стоматологии. — 2011. — Т. 1, № 50. — С. 82–83.

7. Дентальная имплантация при синус-лифтинге и остеопластике / С. П. Железный [и др.] // Рос. стоматол. журн. — 2010. — № 6. — С. 19–20.

8. Buzrukzoda J.D., Kubaev A.S., Abdullaev A.S. Elimination Of Perforation Of The Bottom Of The Maxilla Jaw Sinus With Application Of Osteoplastic Material //CENTRAL ASIAN JOURNAL OF MEDICAL AND NATURAL SCIENCES. – 2021. – Т. 2. – №. 1. – С. 162-166.

9. Buzrukzoda J.D., Kubaev A.S., Abdullaev A.S. Elimination Of Perforation Of The Bottom Of The Maxilla Jaw Sinus With Application Of Osteoplastic Material //CENTRAL ASIAN JOURNAL OF MEDICAL AND NATURAL SCIENCES. – 2021. – Т. 2. – №. 1. – С. 162-166.

10. Ризаев Ж. А., Назарова Н. Ш. Состояние местного иммунитета полости рта при хроническом генерализованном парадонтите //Вестник науки и образования. – 2020. – №. 14-4 (92). – С. 35-40.

11. Rizaev J. A., Rizaev E. A., Akhmadaliev N. N. Current View of the Problem: A New Approach to Covid-19 Treatment //Indian Journal of Forensic Medicine & Toxicology. – 2020. – Т. 14. – №. 4.

12. РИЗАЕВ Ж. А., АХРОРОВА М. Ш. ОЦЕНКА ОСОБЕННОСТЕЙ ИЗМЕНЕНИЯ СЛИЗИСТОЙ ОБОЛОЧКИ И СОСТОЯНИЯ ПОЛОСТИ РТА ПРИ COVID-19 //ЖУРНАЛ БИОМЕДИЦИНЫ И ПРАКТИКИ. – 2022. – Т. 7. – №. 4.

13. Кубаев А. и др. Comparative analysis of methods for treating depressed frontal sinus fractures //Журнал стоматологии и краниофациальных исследований. – 2020. – Т. 1. – №. 1. – С. 25-28.

14. Shavkatovna A. M. et al. TISH FLYUOROZI //E Conference Zone. – 2022. – С. 175-180.

15. Качалиев Х. Ф. и др. Неотложная помощь при переломе скуловой кости и передней стенки гайморовой пазухи //Наука и образование сегодня. – 2021. – №. 1 (60). – С. 74-78.

16. Ризаев Ж. А., Назарова Н. Ш., Кубаев А. С. Особенности течения заболеваний полости рта у работников производства стеклопластиковых конструкций //Вестник науки и образования. – 2020. – №. 21-1 (99). – С. 79-82.

17. Кубаев А. С. Оптимизация диагностики и лечения верхней микрогнатии с учетом морфофункциональных изменений средней зоны лица //Научные исследования. – 2020. – №. 3 (34). – С. 33-36.

18. Ахроров А., Шомуродов К., Кубаев А. ОКАЗАНИЕ КВАЛИФИЦИРОВАННОЙ МЕДИЦИНСКОЙ ПОМОЩИ ПОСТРАДАВШИМ ОТ ДОРОЖНО-ТРАНСПОРТНЫХ ПРОИСШЕСТВИЙ С ЧЕЛЮСТНО-ЛИЦЕВОЙ ТРАВМОЙ //Журнал стоматологии и краниофациальных исследований. – 2020. – Т. 1. – №. 2. – С. 52-58.

19. КУБАЕВ А. С., КАРШИЕВ Ш. Г., БАЗАРОВ Б. НАШ ОПЫТ ХИРУРГИЧЕСКОГО ЛЕЧЕНИЯ ПЕРЕЛОМОВ НИЖНЕЙ ЧЕЛЮСТИ //ЖУРНАЛ БИОМЕДИЦИНЫ И ПРАКТИКИ. – 2022. – Т. 7. – №. 1.

20. Марупова М. Х., Кубаев А. С., Хазратов А. И. АНАЛИЗ ОККЛЮЗИОННО-АРТИКУЛЯЦИОННОГО ВЗАИМООТНОШЕНИЯ У ПАЦИЕНТОВ С СИНДРОМОМ БОЛЕВОЙ ДИСФУНКЦИИ ВИСОЧНО-НИЖНЕЧЕЛЮСТНОГО СУСТАВА //Conferencea. – 2022. – С. 195-196.

21. Ортикова Н., Ризаев Ж., Кубаев А. ПСИХОЭМАЦИОНАЛЬНОГО НАПРЯЖЕНИЯ У ДЕТЕЙ НА АМБУЛАТОРНОМ СТОМАТОЛОГИЧЕСКОМ ПРИЁМЕ //Журнал стоматологии и краниофациальных исследований. – 2021. – Т. 2. – №. 3. – С. 59-63.