



PSYCHIATRY: MODERN APPROACHES, PROBLEMS, AND DEVELOPMENT PROSPECTS

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Abstract

The article examines key areas of modern psychiatry, including the etiology and pathogenesis of mental disorders, their classification, diagnostic and treatment methods. Special attention is paid to the development of the biopsychosocial model, the use of neuroimaging, psychopharmacology, and psychotherapeutic approaches. Current issues of stigmatizing mental illnesses, the need to reform the psychiatric care system, as well as the prospects for introducing digital technologies, telepsychiatry, and personalized medicine are highlighted.

Keywords. Psychiatry, mental disorders, psychotherapy, psychopharmacology, diagnostics, neurobiology, depression, schizophrenia, anxiety disorders, biopsychosocial model, telepsychiatry.

Introduction

Psychiatry, as a branch of medicine, plays a key role in maintaining the mental health of society. In today's world, the incidence of mental disorders is on the rise, driven by both social and biological factors. Advances in psychiatric research have enabled the introduction of new diagnostic and treatment methods, including pharmacotherapy, psychotherapy, and innovative technologies such as telemedicine and digital platforms. However, modern psychiatry faces a number of challenges: patient stigma, inadequate integration of mental health care into the healthcare system, and limited access to modern treatments. The purpose of this article is to review current approaches in psychiatry, identify the main challenges facing the field, and assess its future development prospects.

Psychiatry is a medical discipline that studies mental disorders, their causes, clinical manifestations, developmental mechanisms, diagnostic methods, and treatment. In the 21st century, psychiatry is experiencing rapid development thanks to advances in neurobiology, genetics, psychopharmacology, and evidence-based medicine. However, despite scientific progress, mental illness remains one of the leading causes of disability worldwide, requiring a comprehensive approach at both the healthcare and societal levels.

I. Etiology and pathogenesis of mental disorders

Modern psychiatry recognizes the multifactorial nature of mental illness. The main factors are:

1.1. Biological Factors

genetic predisposition (for example, in schizophrenia, the inheritance risk reaches 40-60%); neurotransmitter imbalance (serotonin, dopamine, GABA);



structural and functional changes in the brain detected by MRI and PET.

1.2. Psychological Factors

personality characteristics;
childhood trauma;
chronic stress;
cognitive distortions.

1.3. Social Factors

unfavorable family environment;
low socioeconomic status;
isolation, discrimination;
conflicts and violence.

The complex interaction of these factors underlies the biopsychosocial model, which is now the standard in modern psychiatry.

II. Classification of mental disorders.

Two international systems are used:

2.1. International Classification of Diseases (ICD-11)

Includes the following groups:

schizophrenia and other psychotic disorders;
mood disorders (depression, bipolar disorder);
anxiety disorders;
obsessive-compulsive disorder (OCD);
personality disorders;
neurocognitive disorders;
developmental disorders (autism, ADHD).

2.2. DSM-5 (USA)

Classification of the American Psychiatric Association, widely used in scientific research.

III. Diagnosis of Mental Disorders

3.1. Clinical Methods

Psychiatric interview;
Psychopathological examination;
History collection;
Cognitive function assessment.

3.2. Instrumental Methods

MRI, CT, PET — to detect structural changes;
EEG — for epileptic equivalents;
Genetic studies (for experimental purposes).





3.3. Psychometric Tests

MMPI-2;

Beck Depression Inventory (BDI);
Hamilton Anxiety Rating Scale (HAM-A);
MoCA, MMSE (cognitive status assessment).

IV. Treatment of mental disorders

Modern treatment is based on the integration of medication, psychotherapeutic, and social methods.

4.1. Psychopharmacotherapy

Main classes of medications:

antidepressants (SSRIs, SNRIs, TCAs);
antipsychotics (typical and atypical);
mood stabilizers (lithium, valproate);
anxiolytics;
nootropics (as indicated).

Advantages:

highly effective in severe forms of illness.

Limitations:

side effects;
risk of addiction (e.g., benzodiazepines);
need for supervision.

4.2. Psychotherapy

Main areas:

cognitive behavioral therapy (CBT);
psychodynamic therapy;
family therapy;
dialectical behavior therapy (DBT);
gestalt therapy.

CBT is recognized as the most effective treatment for depression, anxiety, and obsessive-compulsive disorders.

4.3. Social Rehabilitation

Social skills training;
Employment support;
Crisis centers and day hospitals;
Social work.

V. Current Issues in Psychiatry

5.1. Stigma

Many patients avoid seeking help from specialists due to fear of social stigma.





5.2. Shortage of Specialists

Mental health care remains inaccessible in many countries.

5.3. Burden on the Healthcare System

Mental disorders are one of the leading causes of disability.

5.4. Lack of Public Knowledge

Myths about psychiatry hinder early diagnosis.

VI. Prospects for the Development of Psychiatry

6.1. Personalized Psychiatry

Using genetic and neurobiological data to select optimal treatment.

6.2. Telepsychiatry

Online consultations available in remote areas.

6.3. AI and Digital Technologies

Patient monitoring via mobile apps;

Speech and behavioral pattern analysis;

Relapse prediction.

6.4. Neuromodulation

Transcranial magnetic stimulation (TMS);

Deep brain stimulation (in severe cases of depression).

Conclusion

Modern psychiatry is rapidly developing, driven by the introduction of new technologies, improved diagnostic methods, and an expanded range of treatment approaches. However, serious challenges remain, such as social stigma, a shortage of specialists, and limited access to quality care. The future of psychiatry lies in the integration of multidisciplinary approaches, the use of digital technologies, the expansion of preventive programs, and increased public awareness of mental health. Only a comprehensive approach will improve the effectiveness of psychiatric care and the quality of life of patients.

Modern psychiatry is a high-tech and dynamically developing field of medicine. Effective treatment is only possible with a comprehensive approach that takes into account biological, psychological, and social factors. Combating stigma, ensuring access to care, advancing scientific research, and implementing innovative technologies remain crucial tasks.

References:

1. Kaplan & Sadock's Synopsis of Psychiatry, 12th Edition.
2. Всемирная организация здравоохранения (ВОЗ). Международная классификация болезней 11-го пересмотра (МКБ-11).
3. American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders (DSM-5).
4. Gelder M., Gath D., Mayou R. Oxford Textbook of Psychiatry.
5. Stahl S. Essential Psychopharmacology.



6.Разикова, И. С., & Разикова, Г. Р. (2019). СОВЕРШЕНСТВОВАНИЕ АЛЛЕРГОЛОГИЧЕСКОЙ СЛУЖБЫ УЗБЕКИСТАНА. In Аллергическое и иммунопатологические заболевания-проблема XXI века (pp. 23-24).

7. Разикова, И. С., & Разикова, Г. Р. (2019). Особенности инновационной диагностики хронических аллергодерматозов у лиц подросткового и молодого возраста в Узбекистане. In Аллергическое и иммунопатологические заболевания-проблема XXI века (pp. 22-23).

8.Разикова, И. С., Бекмирзаева, Н. М., & Нормуродов, М. Э. (2025, November). ТЯЖЕЛЬЕ СЛУЧАИ ЛЕКАРСТВЕННОЙ АЛЛЕРГИИ: СТАТИСТИЧЕСКИЙ ОБЗОР В МЕЖДУНАРОДНЫХ БАЗАХ ДАННЫХ. In E-Conference platform (Vol. 1, No. 17-noyabr 2025, pp. 152-154).

9. Разикова, И. С., & Носирова, Х. С. (2025, November). ВЗАИМОСВЯЗЬ ПОСТХОЛЕЦИСТЭКТОМИЧЕСКОГО СИНДРОМА И ГИСТАМИНОЗА: ПАТОГЕНЕТИЧЕСКИЕ И КЛИНИЧЕСКИЕ АСПЕКТЫ. In E-Conference platform (Vol. 1, No. 17-noyabr 2025, pp. 61-62).

10.Разикова, И. С., & Носирова, Х. С. (2025, November). РОЛЬ КИШЕЧНОЙ МИКРОБИОТЫ В ПАТОГЕНЕЗЕ ГИСТАМИНОЗА. In E-Conference platform (Vol. 1, No. 17-noyabr 2025, pp. 95-96).

11.Разикова, И. С., & Айдарова, Н. П. (2025, November). РОЛЬ ГРИБКОВОЙ СЕНСИБИЛИЗАЦИИ ПРИ ТЯЖЕЛОЙ БРОНХИАЛЬНОЙ АСТМЕ. In E-Conference platform (Vol. 1, No. 17-noyabr 2025, pp. 165-165).

12.Разикова, И. С., & Носирова, Х. С. (2025, November). ВЛИЯНИЕ ИНГАЛЯЦИОННЫХ ГЛЮКОКОРТИКОСТЕРОИДОВ НА РАЗВИТИЕ ГАСТРОЭЗОФАГЕАЛЬНОЙ РЕФЛЮКСНОЙ БОЛЕЗНИ У ПАЦИЕНТОВ С БРОНХИАЛЬНОЙ АСТМОЙ. In E-Conference platform (Vol. 1, No. 17-noyabr 2025, pp. 63-64).

13.Tyrer P., Steinberg D. Models for Mental Disorder: Conceptual Models in Psychiatry.

14.World Health Organization. Depression and Other Common Mental Disorders: Global Health Estimates.