

USEFUL AND SIDE EFFECTS OF DRUGS

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Annotation: *The article scientifically analyzes the beneficial effects and side effects of drugs on the human body. Drugs are an important tool in the treatment, prevention and symptom relief of diseases. However, harmful effects can occur due to their improper application or depending on the characteristics of the individual organism. The article covers pharmacological properties of drugs, the mechanism of action in the body, types of side effects and methods of their reduction.*

Kalit so'zlar: *Pharmaceuticals, Pharmacology, Beneficial Effects, Side Effects, Toxic Effects, Allergy, Dosing, Therapy, Prevention, Pharmacokinetics, Pharmacodynamics*

Medicines are considered one of the most important medical discoveries in human history. Thanks to them, many ailments are treated, pain is reduced and the quality of life improves. Without modern medicine, it is impossible to imagine.

At the same time, any drug has two dual properties:

beneficial (therapeutic) effects

Tomato (a)

Proper administration of medicines restores human health, while improper use can lead to serious complications.

The beneficial effects of drugs

1. Disease treatment

The main task of drugs is to treat diseases. For example:

antibiotics – eliminates bacterial infections

Anti-Viral Drugs – Fights Viruses

Anti-inflammatory drugs – reduce inflammation

2. Relieve symptoms

Although some medications do not completely cure the disease, they reduce symptoms:

Painkillers

Heater Dryers

anti-allergic drugs

3. Prophylactic ta'sir

Medications are also important for the prevention of diseases:

Vaccines

Vitamin and mineral complexes

drugs that boost immunity

4. Life extension

In chronic diseases, medications increase life expectancy:

drugs for heart diseases

Diabetes Medications

Medications That Control Blood Pressure

Medication Side Effects

1. Allergic reactions

Some people are allergic to drugs:

rash

itching

swelling

anaphylactic shock (og'ir holat)

2. Toxic ta'sir

If the drug is taken in an overdose:

jigar zararlanishi

Disorders of renal activity

Poisoning

3. Local Influences

When the drug was used:

redness

pain

tirnashish

4. Systemic (General) Effects

Affects the whole organism:

Dizziness

drowsiness

changes in blood pressure

5. Learning (addiction)

Some medications:

Psychological dependency

Forms a physical dependency

For example:

Sedative drugs

narcotics analgesics

Causes of the occurrence of side effects

1. Incorrect dosage

taking excess

Violation of the course of treatment

2. Individual sezuvchanlik

Each organism responds differently to a drug.

3. Drug interactions

Taking more than one medication together:

impact amplification

or reduce

4. Age and physiological condition

children

Elderly

Women homiler

They have a higher likelihood of side effects.

Rules for the correct use of medicines

Following Doctor's Advice

Do not overdose

Compliance with the time of taking medications

Immediate treatment if side effects are observed

Avoiding self-medication

Ways to improve the safety of medicines

conducting clinical trials

Pharmacovigilance (control system)

individual yondashuv

quality control

Details of modern pharmaceuticals

Today, the pharmaceutical industry is intensively developing:

Biological preparations

Gene Therapy

Development of individual drugs

This helps to increase the effectiveness of drugs and minimize side effects.

Conclusion

Medicines play an important role in human life. They are of great importance in the treatment of diseases, prevention and improving the quality of life. However, any drug can have side effects.

So that:

Take medicines only with a doctor's prescription

strict adherence to dosage

Not to ignore the side effects

It is an important factor in maintaining human health.

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