

Rational Drug Use

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Rational Drug Use

- The definition of rational drug use was first made by the World Health Organization in 1985.
- Providing the appropriate drug in the appropriate time and dosage at the lowest cost, according to the clinical findings and characteristics of the individuals.

Conference of Experts on the Rational Use of Drugs, World Health Organization, Nairobi, Kenya, WHO/CONRAD/WP/RI, (25-29.12.1985).

RESPONSIBLE PARTIES

- Physician
- Pharmacist
- Nurse
- Other health staff
- Patient / patient relatives
- Manufacturer
- Regulatory Authority
- Other (Media, Academy etc.)

UNSUITABLE DRUG USAGE METHODS (1)

- Multidrug use
- Non-essential and overuse of drugs
- Treatment choice incompatible with clinical guidelines
- Improper choice of new drugs which are newly got in to the market
- Inappropriate use of drugs
(route of administration, duration, dose ..)
- Unsuitable personel treatments

UNSUITABLE DRUG USAGE METHODS (2)

- Unnecessary consumption of antibiotics
- Suggestion of unnecessary injection
- Use of unnecessary and inappropriate vitamins
- Unnecessary food fortification and the use of herbal products
- Neglect of Drug-drug and food-drug interactions

Non-rational Drug Use

One or more of the items mentioned in the definition of rational drug use can not be met, is causing;

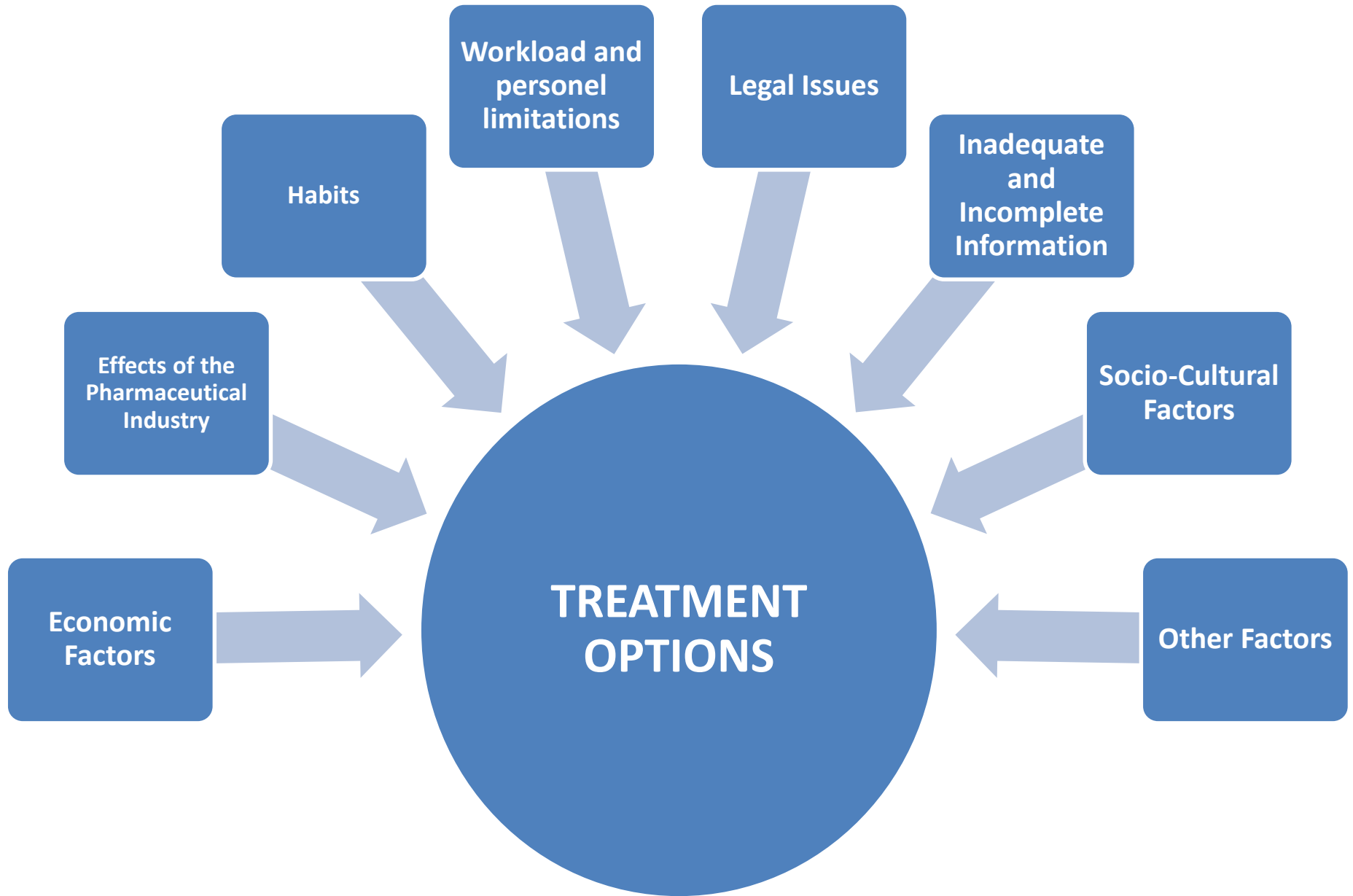
- Reduction of patient compliance,
- Drug interactions,
- Resistance to some drugs,
- Repetition or extension of diseases,
- Increase in frequency of adverse events,
- Increase in the treatment costs

Rational Drug Use in Diagnosis and Treatment (1)

- Defining the patient's problem,
- Recognising the right diagnosis,
- Determining effective and safe treatment with or without medication,
- Evaluation of the feasibility and cost of treatment,
- Assessment of success of the treatment and the patient's compliance,

Rational Drug Use in Diagnosis and Treatment (2)

- If medication is to be administered, the choice of appropriate medicines,
- Anticipation of interactions in multiple drug use,
- Determination of the appropriate dose and duration of for each drug and the appropriate prescription.
- On this stage, current diagnosis and treatment guidelines should be based.
- Patient and relatives of the patient should be informed about treatment.



12 BASIC INTERVENTIONS RECOMMENDED FOR PROMOTING RATIONAL DRUG USE BY WHO *-1

1. Institution that will coordinate and monitor the drug use policies
2. The use of Clinical Diagnosis and Treatment Guidelines to support training supervision and decision-making processes
3. Creating a list of essential drugs based on first-line treatment
4. Establishing medicines and treatment boards in regions and hospitals
5. Providing problem based pharmacotherapy training in pre-graduate curriculum
6. Regulation of in-service continuing medical education as a necessity

12 BASIC INTERVENTIONS RECOMMENDED FOR PROMOTING RATIONAL DRUG USE BY WHO *-2

7. Development of monitoring, supervision and feedback systems on corporate framework
8. Use independent (unbiased) information resources on medicines
9. Public education about drugs
10. Avoiding unethical fiscal initiatives
11. Implementation of appropriate and mandatory regulations.
12. Providing adequate government spending to ensure the availability of medicines and their staff

In Our Country

- Studies on rational drug use have been ongoing for about 20 years.
- With the Minister approval on October 12, 2010, Rational Drug Use Unit was established.
- March 19, 2012 Rational Drug Use, Drug Supply Management and Promotion Agency has been established in Turkish Pharmaceuticals and Medical Devices Agency

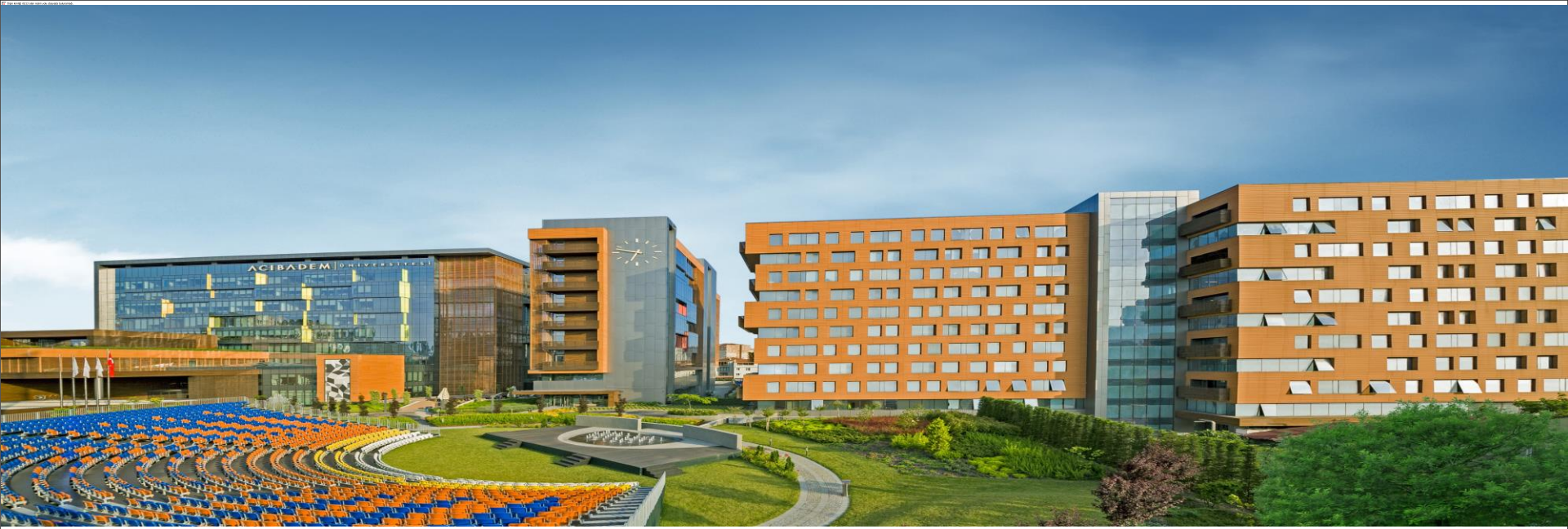
RATIONAL DRUG USE REPRESENTATIVES AND COOPERATION

- In order to ensure coordination in provinces, 81 provincial Health Directorates has Rational Drug Use Provincial Representative.
- In accordance with Hospital Service Quality Standards, Rational Drug Use Teams have been established in order to plan and perform activities in hospitals.



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**NE EKSİK
NE FAZLA!**



Thanks...

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