

# Lecture 7

## Topic: «PROBLEM OF DOPING IN SPORT»

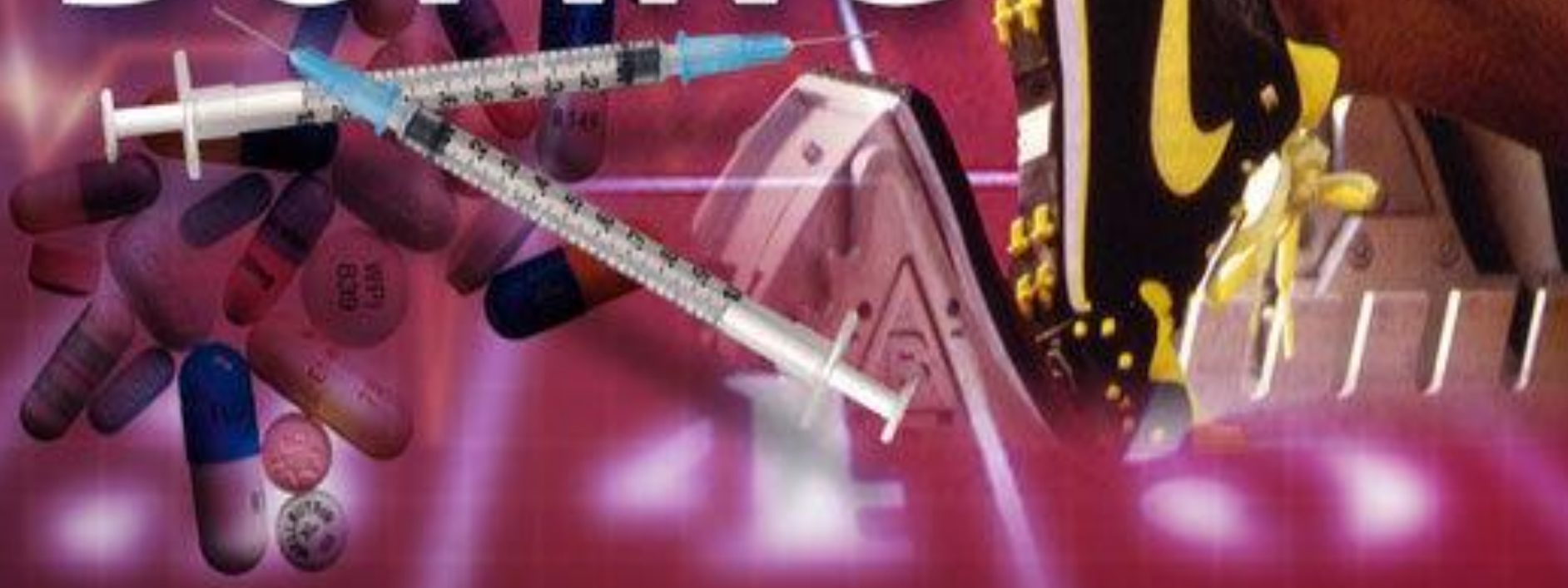


## WHAT IS A DOPING?

\* **Doping** is an any substances of natural or synthetic origin which use allow to achieve improvement of sports results. Such substances can raise sharply for a short time activity of nervous and endocrine systems and also increase muscular force. The medicines stimulating synthesis of muscle proteins after influence of loads of muscles belong to dope.



# SPORT DOPING



# \* TYPES OF DOPING

- \* All psychostimulators, respiratory analeptik, adrenomimetik, MAO inhibitors, holinomimetik, antikholinesterazny means, antidepressants, narcotic analgetik, warm glycosides, corticosteroids, peptide hormones - STG, AKTG, gonadotrophins, erythropoietin.
- \* Anabolic steroids, gonadotrophin, amphetamines, diuretics, blood dope, alcohol, cocaine, heroin, amphetamines, beta blockers





# \* DOPING CONTROL !

\*The doping test is the most important component of the comprehensive program of the actions directed to prevention of application by athletes of the forbidden (doping) means.

\*In the majority of sports the established doping involves disqualification for 4 years, and repeated – for 8 years or even forever.



# \* Who checks athletes for doping?

\* Huge amount of medicines have the status **forbidden** (запрещенный) for athletes during the competitions. The modern concept in the field of fight against doping in elite sport is provided in the Anti-doping Code of the World Anti-Doping Agency (WADA).



\* At the international level the use by athletes of the forbidden substances controls WADA. Besides, in each country there are national anti-doping agencies which work at internal competitions, minimizing thereby the number of the international scandals.

\*The list of the "forbidden" medicines contains improbable number of names (according to different publications - from 400 to 11004)





# \* Первые жертвы допинга

\* Initially trainers and equestrians of horses in the USA began to use dope. It were the means entered by Americans into an organism of a horse before jumps by hypodermic introduction inside in the form of drugs. Information on it and also on detention in the act of equestrians was for the first time included in the European and Russian newspapers in 1903. Franck Starr was the very first **caught violator** (пойманный нарушитель).

\* During running day on June 8, 1913 at the equestrian Franck Starr the elixir which is given to a horse for strengthening of it course during run has been found. Artificially improving playfulness of a horse for a short time, the elixir at the same time harmfully influences it health. The equestrian F. Starr has been deprived of the right of driving forever.

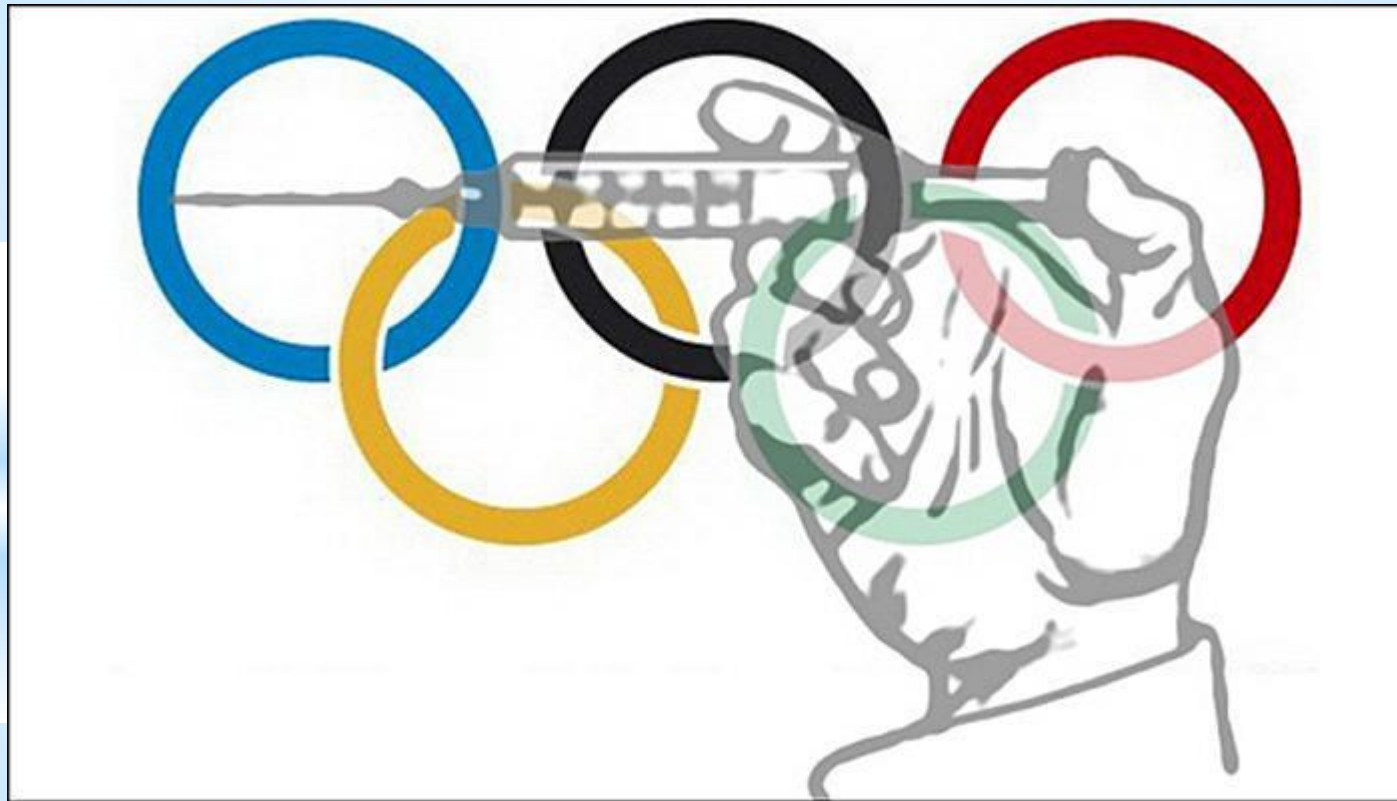
\* Influence of doping medicines on a human body very not unambiguous



\* On the one hand, they stimulate nervous and physical activity of the person therefore sports results can be fantastic.

\* On the other hand, doping - all the same drug. So, can't but exert on an organism of bad impact. The quantity of death because of taking stimulants has sharply increased in recent years.

\*The doping illness has affected not one sport: for the use of stimulators caught both skiers, and athletes, and swimmers, and cyclists. This "plague" has extended worldwide.





\* In the summer of 2012 of the legendary bicycle racer Lance Armstrong have found guilty of the doping use – erythropoietin. The athlete has been deprived of all titles won by him since 1998, including also the Olympic gold of Sydney in 2000.



- \* On March 7 Maria Sharapova has convened the emergency press conference at which she declared that she has got on doping.
- \* But it was the medicine Mildonium which stimulates and supports work of heart.
- \* Sharapova was discharged of the international competitions for 15 months.

# \* Sports Doping Scandal Hits Kazakhstan



**\*THANK YOU FOR  
ATTENTION!**