



Peer-review of monograph of K. N. Gruzdev, A. Ye. Metlin "Animal Rabies".

2nd ed., revised and expanded. Vladimir: FGBI "ARRIAH", 2022.

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Animal Rabies monograph deals with the problem of rabies, which even in the XXI century still remains a concern for the WHO, WOA and FAO. The disease is reported in animals in over 100 countries all over the world. The rabies virus belongs to order *Mononegavirales*, genus *Lyssavirus* of family *Rhabdoviridae*, which comprises at least 10 genera.

Different mammalian species, including food-producing animals, can be diseased with rabies. The disease is a distinct zoonosis. In the countries, who gained freedom from animal rabies, the disease is considered to be emergent. In the Russian Federation and its neighbouring countries, the disease is unfortunately still reported. The rabies virus is persistent in wild fauna. It can be related with human impact on the biosphere and accelerated evolutionary processes leading to changes both in the macrocosm, i.e. in animals inhabiting the planet, and in the microcosm.

Due to climatic changes, the warring trend involves expansion of the lyssavirus genus members detected in insect-eating bats in Australia, Europe and in our country.

Authors of the monograph updated the latest achievements in rabiology and described in detail some rabies prevention and control issues with reference to the current WHO, WOA and FAO guidelines. The edition demonstrates data on rabies etiology, pathogenesis and clinical manifestation; current lyssaviruses' classification is described, which includes classical rabies virus; epizootological data on rabies in various animal species are illustrated; rabies evolution and manifestation specifics are traced.

Animal rabies situation of recent years is featured for the Russian Federation and such neighbouring countries as Finland, Poland, Baltic states, Belarus, Ukraine, Kazakhstan, Mongolia and China, the disease control and eradication tools used in the CIS countries are described. Results of rabies monitoring in animals in Russia are illustrated, animal rabies risk and economic damage are assessed, the disease social importance is designated.

The manuscript comprises sections on achievements made by the FGBI "ARRIAH" researchers in the studies of the rabies virus field isolates and vaccine strains,

application of the monoclonal antibodies and development of scientific methods for the detection of the rabies virus genome using PCR, nucleotide sequencing and phylogenetic analysis. This information became the basis of the "Complex of CIS measures for rabies prevention and control to be taken until 2025", which was considered and approved by the Decision of the Heads of the Governments of the CIS member-states in Dushanbe on 1 June 2018.

Monograph of K. N. Gruzdev and A. Ye. Metlin "Animal Rabies" is a great input in the disease control in our country and it contributes to the consolidation of the achievements made by the Russian scientists in rabies investigations.

In the process of analytical review of the publications the authors emphasized the need of systemic rabies control and international cooperation. Prevention of such disease as rabies is a critical mission of the veterinary and medical sciences.

The monograph contains large body of fundamental and application data, genuine analytical compilations and conclusions. It can be recommended for the specialists of the veterinary and sanitary-and-epidemiological surveillance, scientists, all kinds of students (postgraduates, students of the advanced training courses, higher school students), specialists involved in rabies prevention and control, as well as for all people in Russia to the effect of animal and human rabies prevention.