

17. ASSESSMENT OF ^{90}Sr AND ^{137}Cs DISTRIBUTION PATTERN IN ORGANS AND TISSUES OF BANK VOLE (*CLETHRIONOMYS GLAREOLUS*) UNDER CONDITIONS OF CHORNOBYL ZONE

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Distribution pattern of ^{90}Sr and ^{137}Cs has been studied in more detail and for the first time in organism of common representative of Chernobyl wild fauna – bank vole, which are used in radiobiological and genetic research at natural chronic uptake of the radionuclides. In spite of obvious heterogeneity of the natural population conditions and diversity of individual radionuclides body burden, the relative distribution of radionuclides in organs and tissues follow to definite regularities, and is differed from ones, earlier established for other laboratory and wild species of rodents. The revealed regularities allow more sensibly and purposively come to estimate the consequences of complex radiation exposure to rodents inhabited in Chernobyl zone.