

This bachelory work is devoted to the issue of infections transmitted by ticks. It gives a comprehensive overview of the entire spectrum of infections, that are currently known as transmitted by cattle ticks *Ixodes ricinus*. Work is focused on analysis of the two most common diseases in natural epizootic area in the Czech Republic - Lyme borreliosis and central tick-borne encephalitis. According to epidemiological characteristics the incidence of Lyme borreliosis in the Moravskoslezsky Region in the years 2006 and 2007 was analysed.