

Summary

Based on stated epidemiological information we can see that periodic mumps vaccination is a necessary part of paediatric care of present population. Nowadays, mumps vaccination is provided in more than 100 countries all over the world. Several epidemics occurred in these countries with involvement of vaccinated and non-vaccinated people since the introduction of vaccination. Very often was the most affected group the group of 19-23 old people. The main reason of current epidemics is probably the low collective immunity in group of older children because of extinction after previous vaccination. The main reason in adult group is not being immunized naturally.

The import of disease from other countries influences the origin of epidemics in the Czech Republic, for example import from Poland, where the periodic vaccination started as late as in 2004.

Most of young doctors have probably never met mumps in their practices, whereas their older colleagues have often forgotten heterogeneous symptoms of infection. Sometimes it is very difficult to recognize this illness in time. The primary symptoms usually experience in the first time practical doctors, dentists, otorinolaryngologists and internal-medicine doctors. Doctors of urologic and surgery specializations should not miss orchitis when the testicles are painfully swelling