

P52

## Surveillance of viral infectious disease during the 2004 in Busan

Kyung-Soon Cho, Hyeon-Cheol Joe, Nan-Sook Han,  
Young-Ran Na and Sung-Jun Kim

<sup>1</sup>Institute of Health & Environment, Busan 613-806, Korea

We performed the surveillance of viral infectious disease during the 2004 in Busan. Infectious viruses were isolated in Busan during 2004 and characterized their antigenic prosperities.

183 cases (9.8%) of viruses of Isolated from 1,869 cases of throat swab and nasal discharge in respiratory infection by cell culture and PCR were 118 cases of influenza virus type A/H3N2 and 35 cases were influenza virus type B, 12 cases of adenovirus type 1, 3 and 4, 1 case of parainfluenza type 2, 1 case of measles virus, 1 cases of echovirus type 3, 2 cases of echovirus type 6 and 30, 4 cases of coxsackie virus type B1 and B2 and 5 cases of polioviruses. 6 cases of adenovirus type 3, 4, 8, 11 and 37, 1 cases of echovirus type 30, 6 cases of coxsackie virus type A24 isolated from 368 cases of epidemic conjunctivitis. In this study of 477 cases of aseptic meningitis, 4 cases of echovirus type7 and 30, 2 cases of coxsackie virus type A16 and B2, and 1 case of untypable enterovirus were isolated. Among the 1,342 cases of acute gastroenteritis, 122 cases of norovirus, 168 cases of rotavirus, 50 cases of astrovirus and 23 cases of enteric adenovirus were detected by RT-PCR and enzyme immunoassay. 62 cases(36.7%) of human immunodeficiency virus were detected among the 169 cases of suspected specimens by weatern blot and particle assay.

The gender distribution of respiratory tract infection was found to be higher in female, aseptic meningitis, acute gastroenteritis and epidemic conjunctivitis was found to be higher in male. The age distribution of patients, a great part of infection occurred in 0 to 10 years old, however, epidemic conjunctivitis occurred in every age. The incidence of respiratory tract infection were throughout the year, the spring and autumn seasons with epidemic conjunctivitis, the august with aseptic meningitis, and the winter season with alimentary tract infection. The incidence of viral infectious disease has increased nationwide. So, further epidemiologic investigations will be necessary.