Chapter 7

Future Perspectives

An optimal study on respiratory infections in children should screen for at least the top 10 viral agents (Influenza virus-A&B, Parainfluenza virus-1,2,3, Respiratory syncytial virus, Adenovirus, hMPV, Corona virus and Rhino virus).

It will be important to develop multiplex real-time PCR assays or DNA microarray to comprehensively screen for multiple viruses.

Our findings on hMPV and HBoV show us the need to establish assays for detecting respiratory viruses. Establishment of virus etiology using a rapid assay will avoid unnecessary antibiotic usage.

Certain respiratory pathogens like IV-A can cause epidemics. The control of such epidemics relies on public health measures which include early detection of the etiological agents and using immunoprophylaxis and chemoprophylaxis wherever possible.