



## Respiratory Virus Infection in High Risk Children

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**Yae-Jean Kim**  
Samsung Medical Center, Korea

Respiratory virus infection is common in children. Many respiratory viruses such as respiratory syncytial virus (RSV), influenza, parainfluenza, adenoviruses, rhinoviruses, coronaviruses, human metapneumovirus, human bocavirus are known to be responsible for respiratory tract infection in human.

Among these, active immunization is available only against influenza and RSV specific monoclonal antibody, palivizumab is being used in special circumstances. Clinical manifestations are variable among children depending on underlying conditions; premature babies, patients with hemodynamically unstable congenital heart diseases or chronic lung diseases, and immunocompromised children (e.g. hematopoietic stem cell transplantation recipients) are at higher risk for developing serious infection.

This talk will focus on infection due to RSV, adenovirus, and influenza in immunocompromised children.