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### **Adenovirus infections in primary care**

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**Background & Aim:** in family physician practice, patients seeking medical advice due to complaints for infection diseases are very common. Most of these infection diseases are viral sourced. Among these viral diseases adenovirus infections are observed in a considerable amount in family physician practice. The aim in this study is to give information on common adenovirus infections, diagnosis, protection and treatment methods to primary care doctors.

**Method:** Humans are the reservoir of adenoviruses. They can be transmitted by direct contact, fecal and oral way and / or through droplet. Latent infection is observed in the lytic (epithelial cell infection) and latent infection in lymphoid tissues are observed in the pathogenesis of the disease. Virus fiber protein determines organ specificity. They commonly cause upper and lower respiratory tract infections, gastroenterites and eye infections such as keratoconjunctivitis. Less commonly they may cause some atypical infection diseases such as hemorrhagic cystitis, orchitis, nephritis and urethritis. Although cell culture is the golden standard for diagnosis, its practical use is limited due to late results. Direct fluorescent antibody assay (DFA) is rather promising in this area.

**Results/Conclusion:** Protection against the disease and individual personal hygienic precautions in treatment (using disposable glove and chlorination of swimming pools) are important. Ribavirin and Sidofovir are also recommended for use.