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Adenovirus conjunctivitis diagnosis using RPS Adenodetector®

Wanessa F Carneiro1; José Bonifácio Barbosa Jr1; Caio Regatieri1; Luiz Alberto S Melo Jr1, Denise de Freitas1; Rubens Belfort Jr1 **Objective**: To evaluate the RPS Adenodetector®, a rapid immunochromatographic test, in the diagnosis of patients with clinical overt adenoviral conjunctivitis. **Methods**: Consecutive case series. Patients underwent conjunctiva scraping for RPS Adenodetector® test and culture to identify adenovirus. **Results**: A total of 11 patients were studied, and 10 had unilateral disease. Five (45,5%) had symptoms for 2 days, 5 for three days, and 1 for 7 days. Adenovirus culture was positive in 8 patients (73%) and RPS Adenodetector® was positive in 9 (82%) patients. Eight patients had adenovirus identification by both methods. In one patient the RPS Adenodetector® was positive in contrast with a negative culture. All two patients revealing negative RPS Adenodetector® results also had negative cultures. The sensitivity was 100% and the specificity was 67%. **Conclusion**: The RPS Adenodetector® is a useful tool in rapid diagnosis of adenovirus conjunctivitis and may contribute in the spread control of this highly contagious disease. **Key words**: eye; conjunctivitis; adenovirus; immunochromatography; virus culture.