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Title: Incidence of adenoviral infections in children

Ms. Trajanka 2670 Ilievska tanjaboss@yahoo.com MD¹ and Ms. Gorica 2671 Popova goricapopova@yahoo.com MD¹. ¹ Microbiology, Institute for Respiratory Diseases in Children, Skopje, Macedonia, The Former Yugoslav Republic of, 1000 .

Body: Adenoviruses are highly prevalent in children. It is estimated that 3% of all infections, and approximately 7% of febrile conditions are caused by adenoviruses. During winter season they cause over 70% of all respiratory diseases. Aim: To evaluate presence of antibodies on Adenoviruses in children sera, during 2011. Material and methods: The sera from hospitalized children with symptoms of prolonged febrile conditions and cough were examined. Examination was performed by Indirect Immunofluorescent Assay –Pneumoslide IgM. Results: During 2011, 217 sera samples were examined. Antibodies on Adenoviruses were confirmed in 59 (27.1%). The investigations were made in all months, but in November, December, March, and surprisingly in July, detections were most frequently. Conclusion: Adenoviral infections occur during whole year, they are common infections in children, and often result in and unnecessary hospitalization and antibiotic therapy. Identifying adenoviruses as the cause of illness can have significant influence on treatment and care, and in some instances may be life-saving.