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Title: Molecular detection and typing of non-polio enteroviruses(NPEVs) in Primary Immunodeficiencies(PID) Patients in Iran

Non-polio enteroviruses(NPEVs) cause important and diverse viral infections in humans. The prevalence of these infections in Primary Immunodeficiencies(PID) patients have not been properly studied. The purpose of this study is to investigate the prevalence and molecular analysis of NPEVs in PID children in Iran.

For this purpose, 90 PID patients stool samples were analyzed by real-time PCR method, and positive samples were investigated for typing by sanger sequencing.

The results of this study showed that 4(4.4%) samples were NPEVs positive, and their types included Coxsackivirus A8, and Echovirus E6.

This study emphasizes that NPEVs infection is not common in PID children in Iran.