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**Cliburn Chan\*** ([cliburn.chan@duke.edu](mailto:cliburn.chan@duke.edu)), 11078 Hock Suite 1102, 2424 Erwin Road, Durham, NC 27710. *CMV infection after solid organ transplantation*. Preliminary report.

Most people are infected with cytomegalovirus (CMV) during their lifetimes, and the dormant virus can reactivate following solid organ transplantation, when the immune system is suppressed to prevent graft rejection. CMV is the most common infection in both lung and kidney transplant recipients, and leads to increased rates of chronic graft rejection and poor long-term outcomes. In this presentation, we evaluate statistical predictors of CMV infection from cross-sectional and longitudinal data, and investigate dynamical models for the failure of immune control and CMV reactivation. (Received September 13, 2016)