

A STOCHASTIC MODEL OF THE DYNAMICS OF HIV UNDER A COMBINATION THERAPEUTIC INTERVENTION

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Drug resistance to single therapeutic treatment in HIV infected individuals has promoted the research into combined treatments. In this paper we propose a stochastic point process under combined therapeutic treatment. Mean numbers of free HIV, infectious free HIV and non-infectious free HIV are obtained. Comparing simulated data for before and after treatment indicates the importance of combined treatment and its overall effect(s).