THRESHOLD DYNAMICS OF A HCV MODEL WITH BOTH THE INTRACELLULAR AND EXTRACELLULAR LEVELS

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Abstract

Based on the established models which considers intracellular levels or extracellular levels, we developed and analyzed a spread model which incorporating both the intracellular and extracellular levels. By solving the model, we can get the steady states and the basic reproduction number of the model.

Keywords and phrases: mathematical model, HCV, basic reproductive number. Received November 11, 2015

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